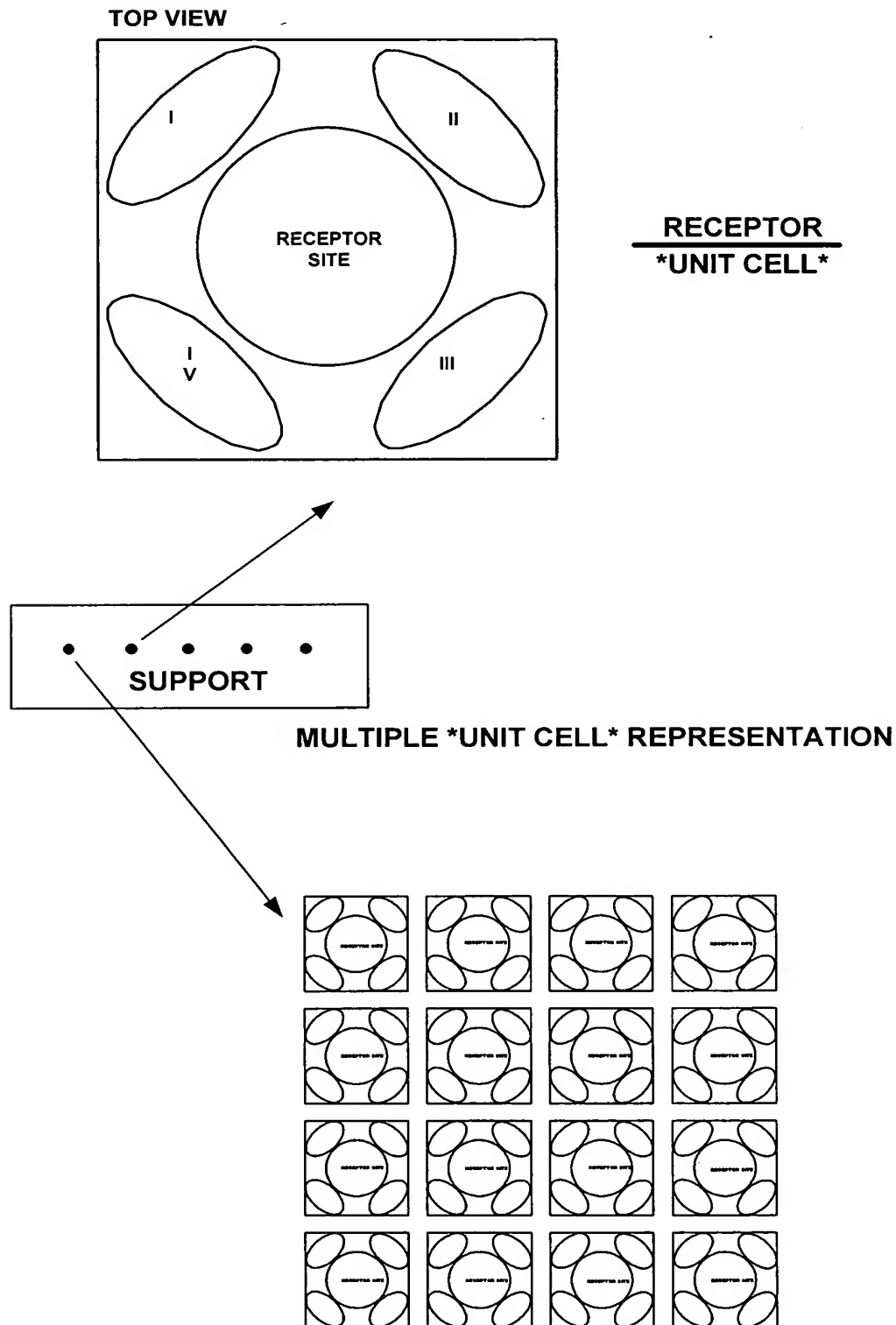




FIG.1



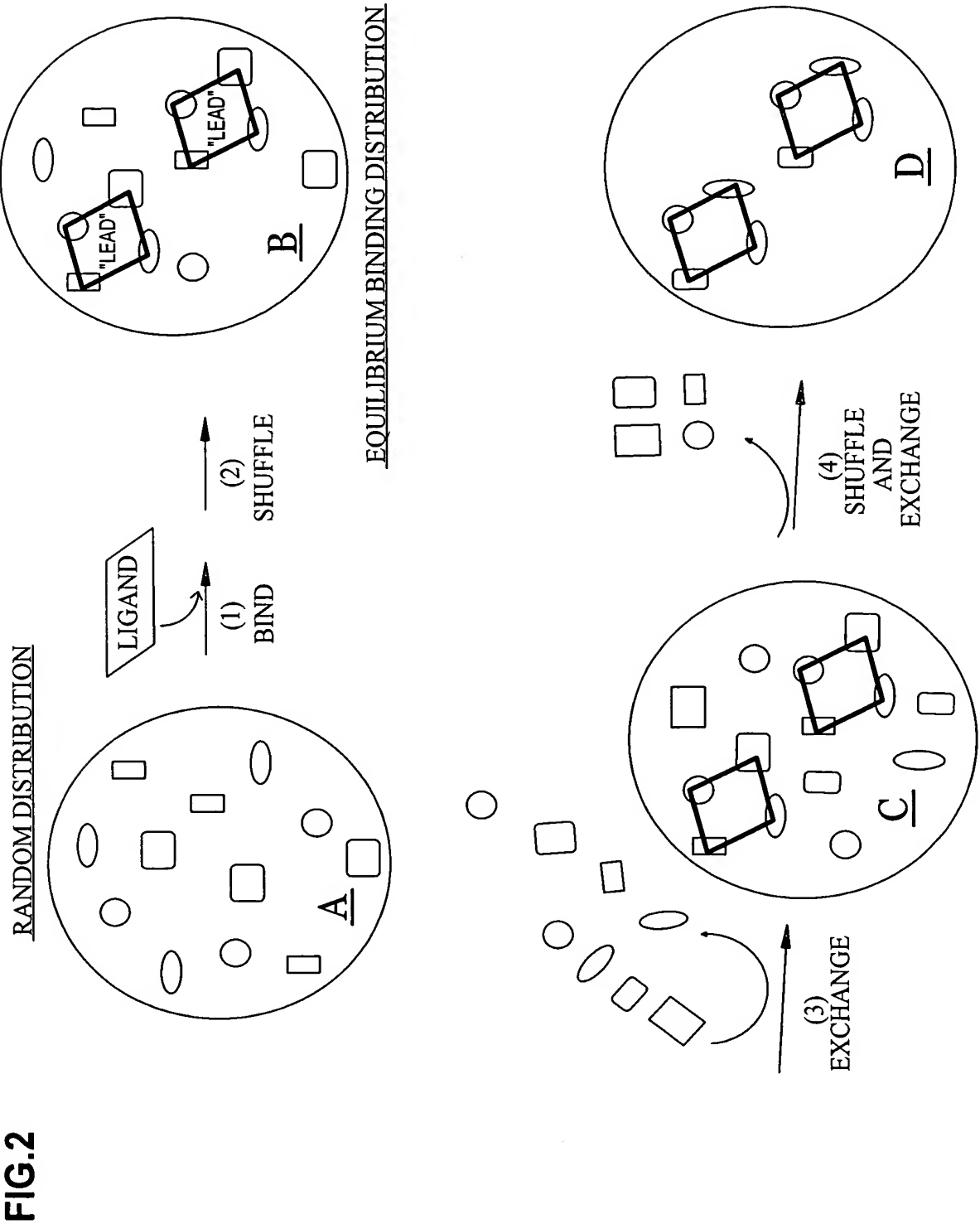


FIG.3A

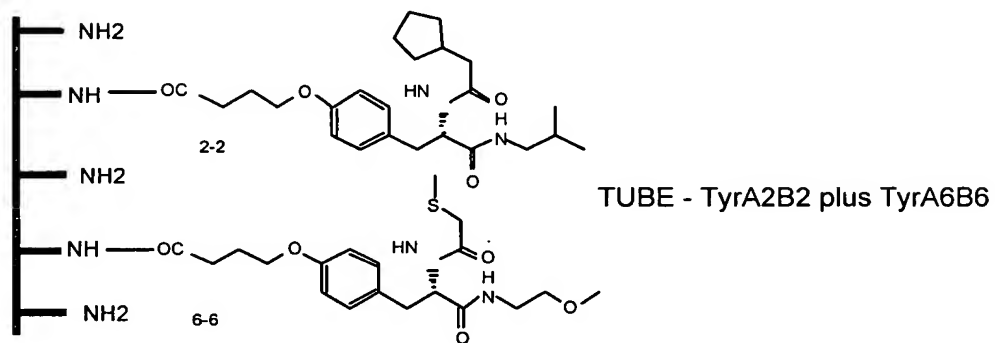
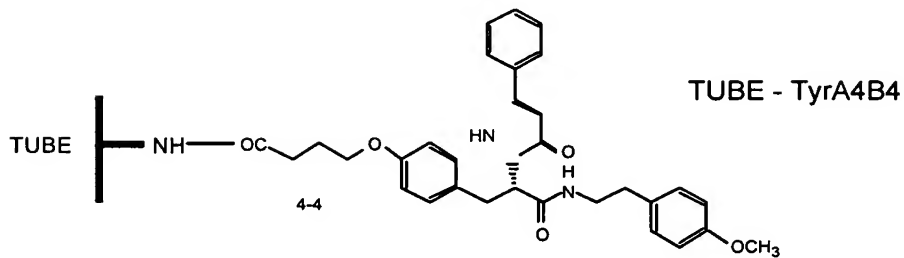
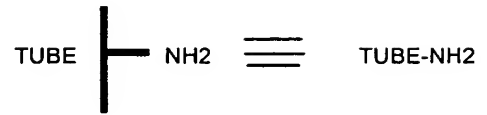


FIG.3B

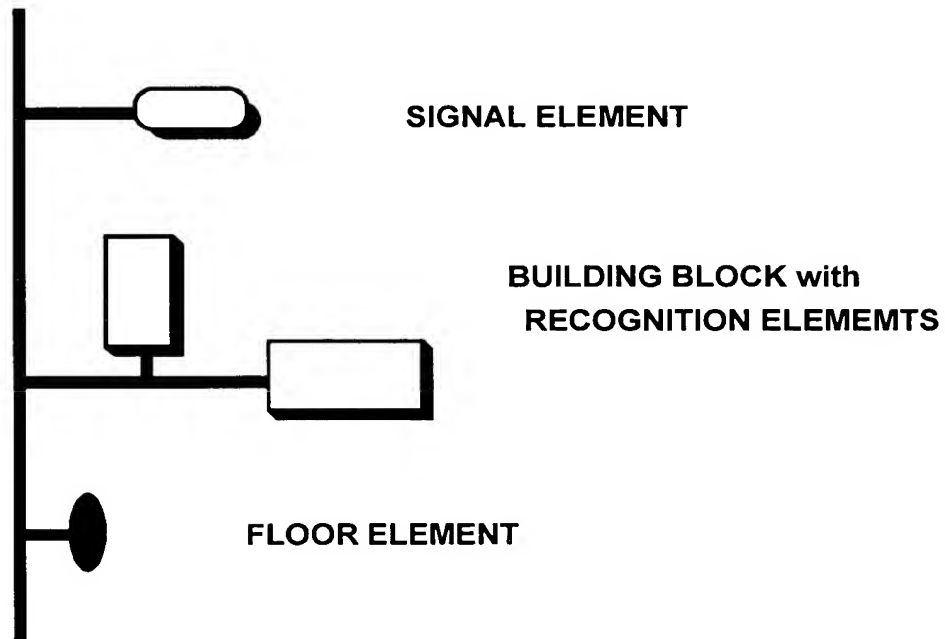


FIG.4

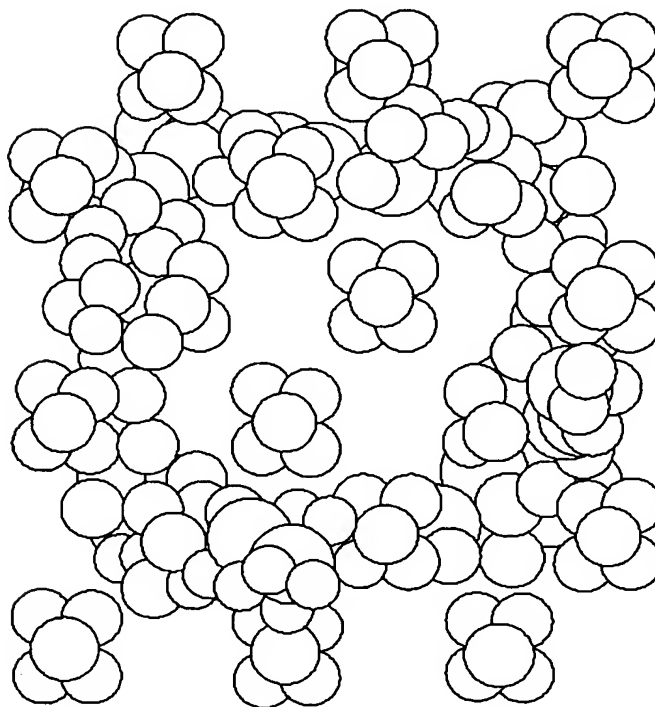


FIG.5

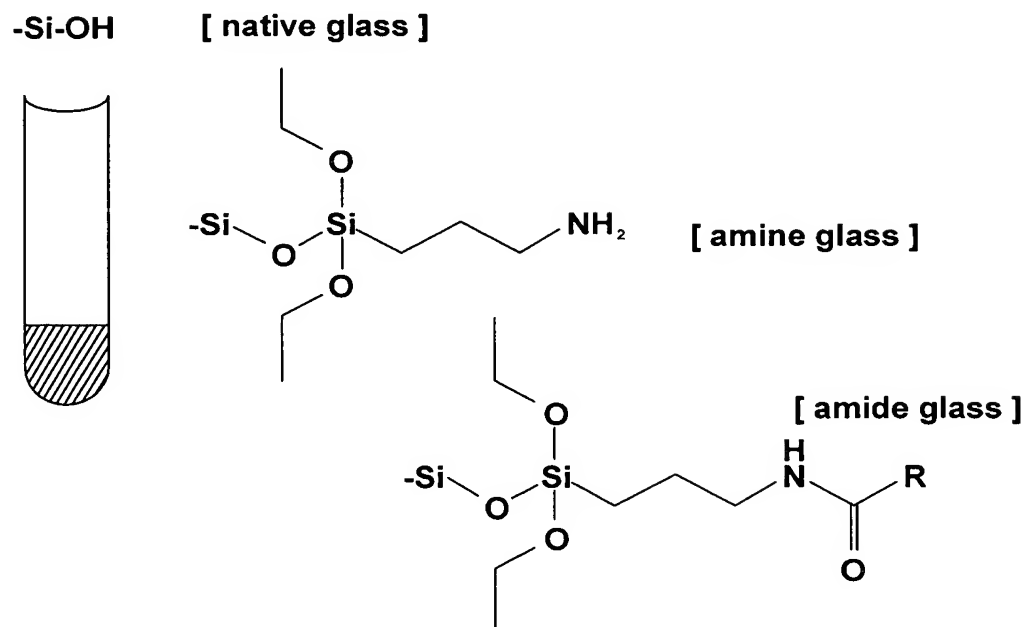


FIG.6

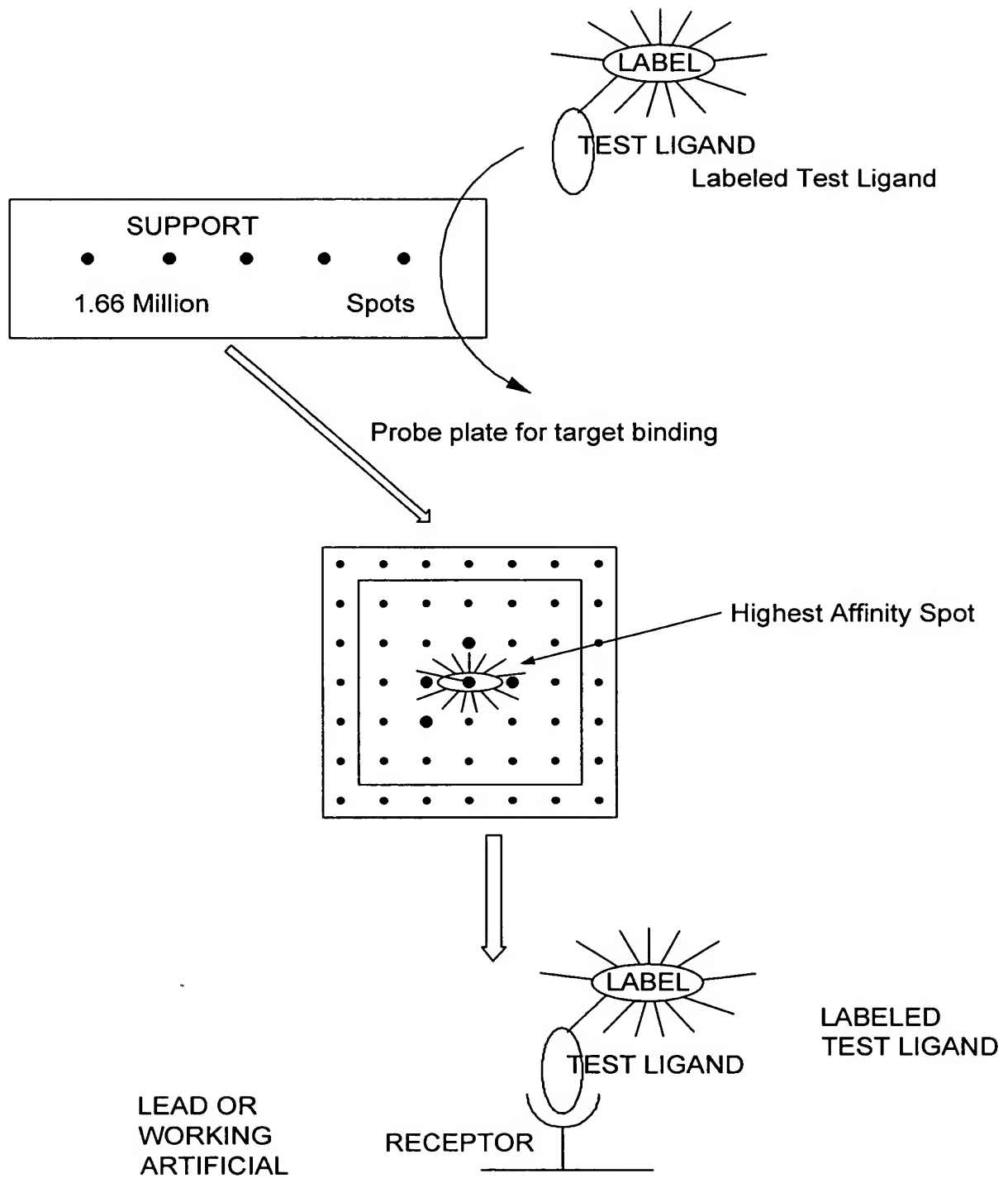
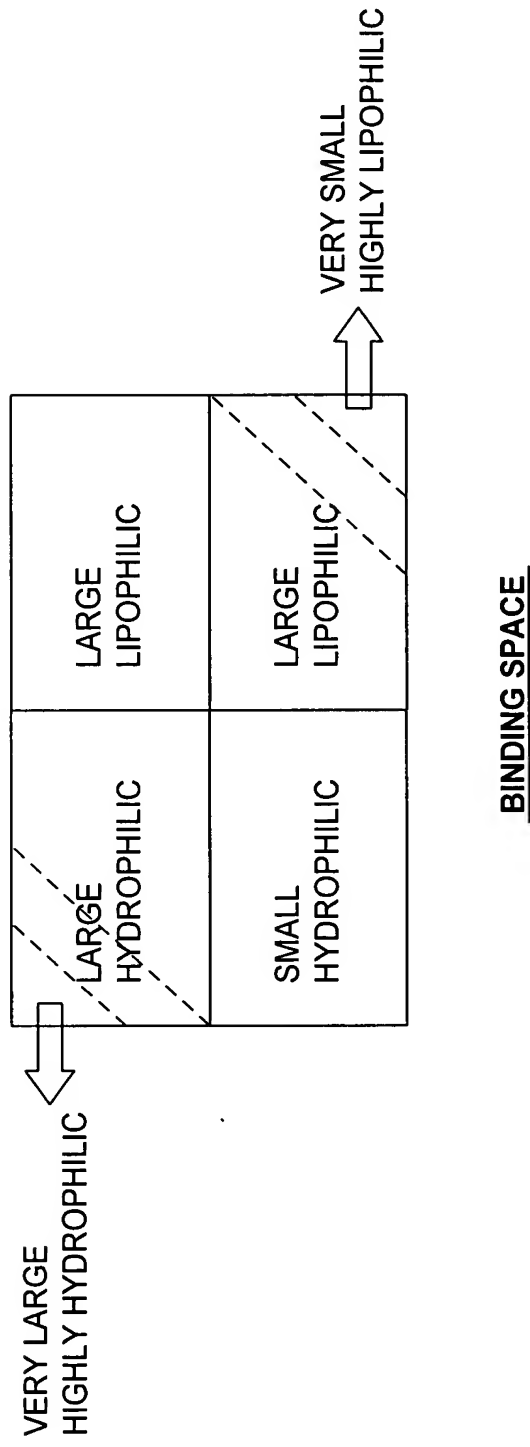
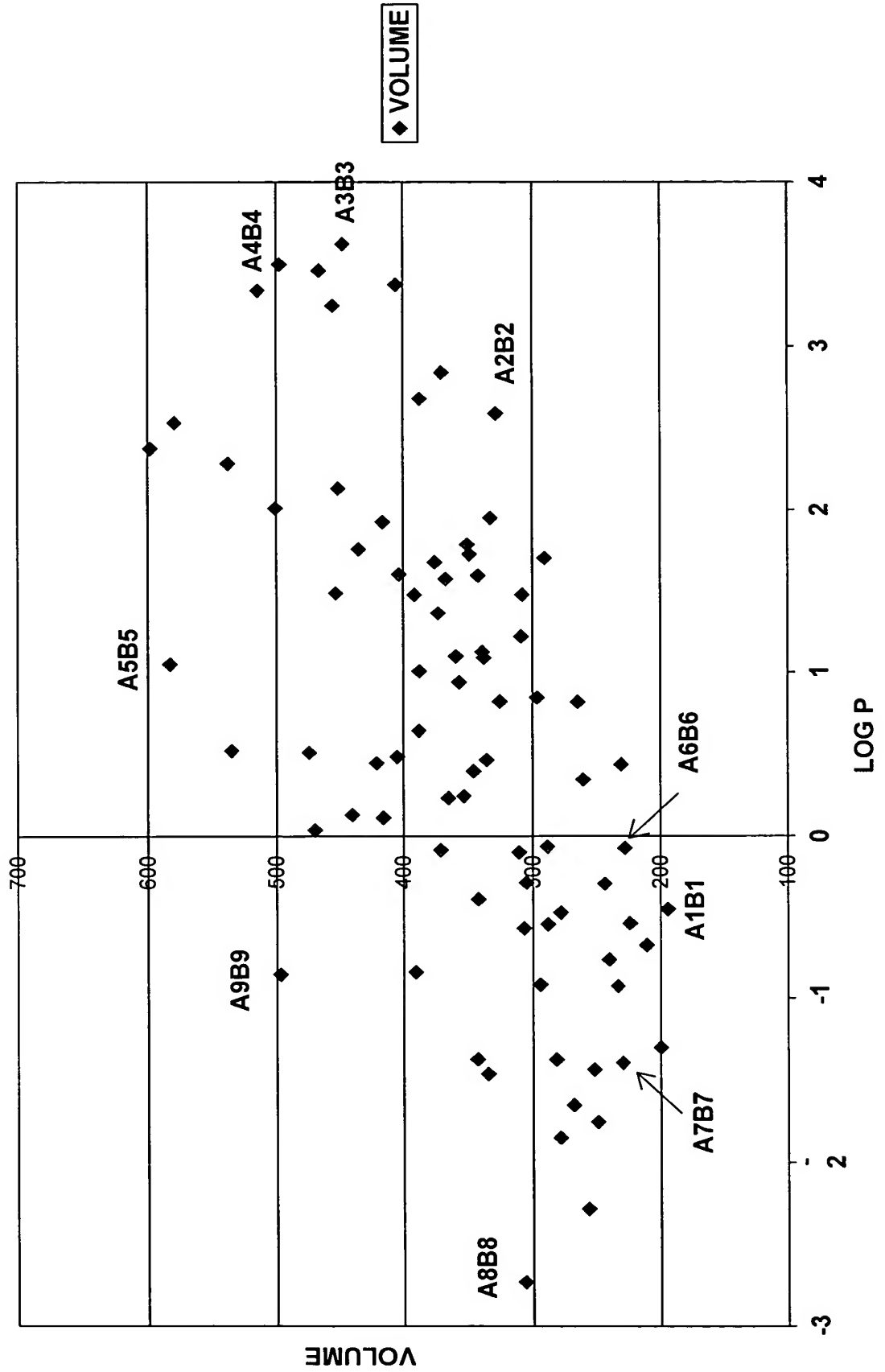


FIG.7



LOGP versus VOLUME

FIG.8



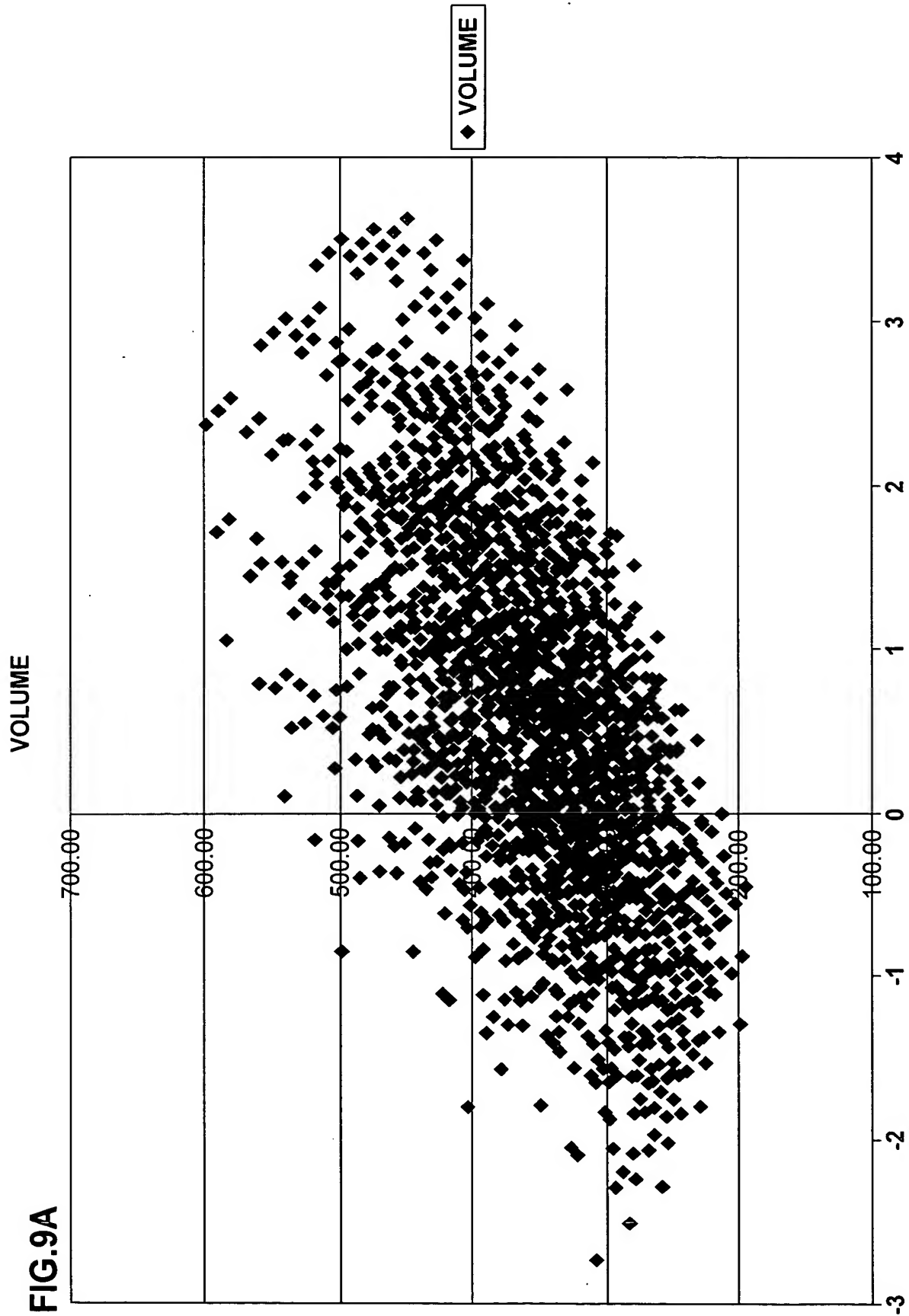
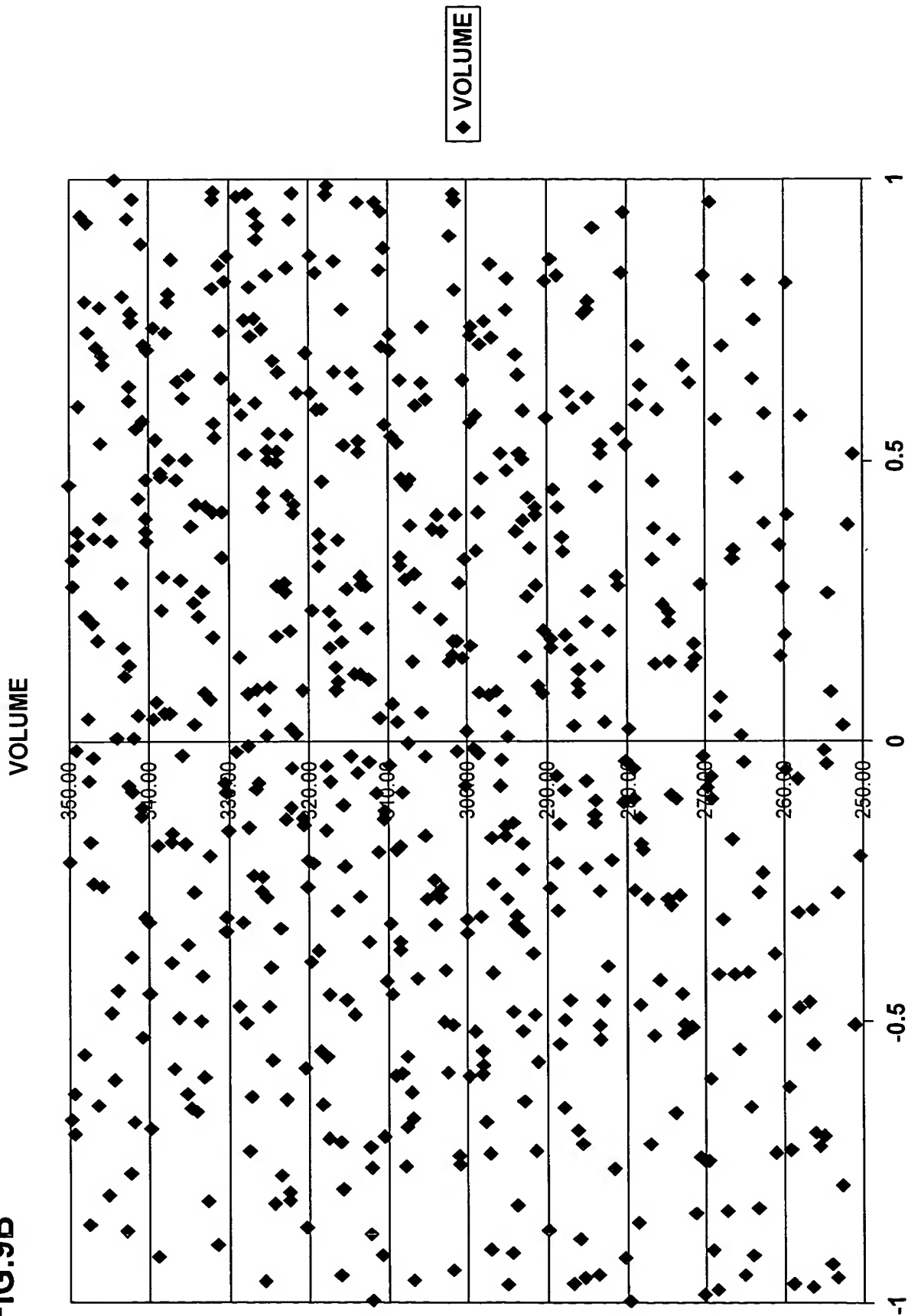


FIG.9B



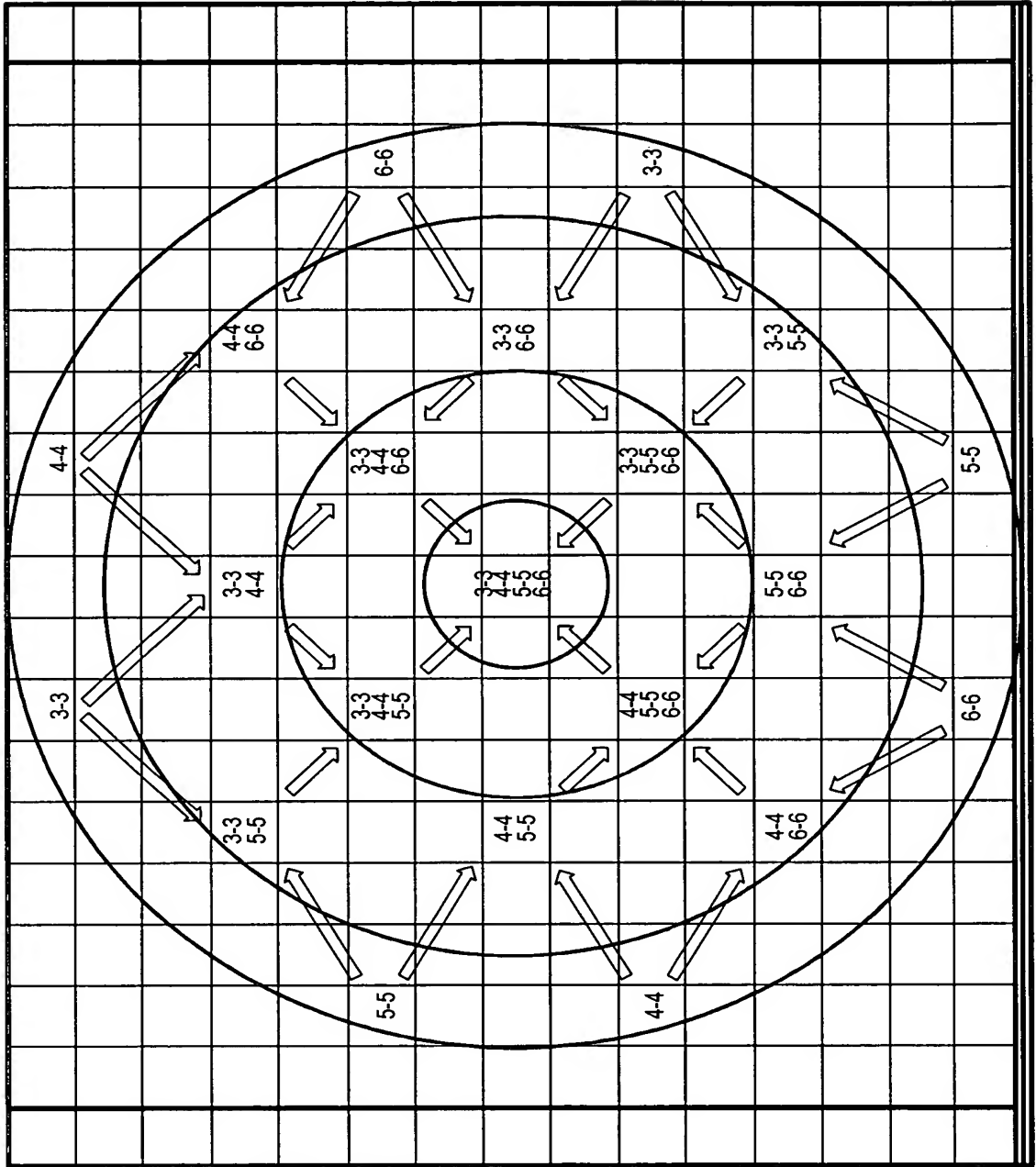


FIG.10

FIG.11

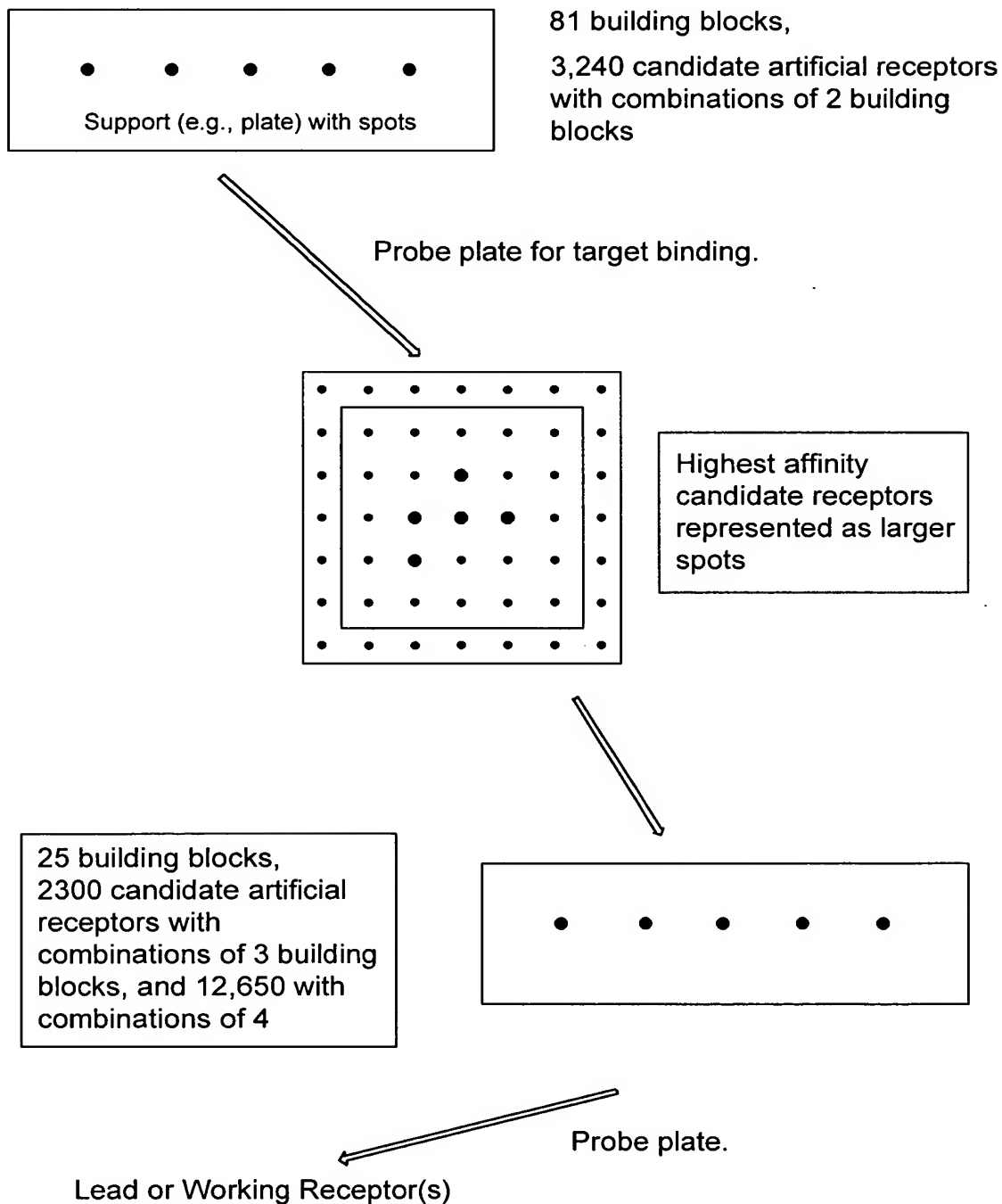
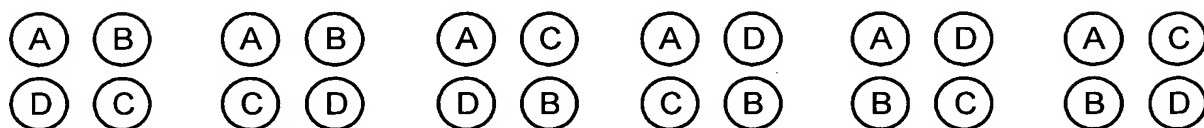
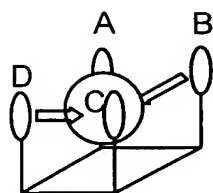


FIG.12

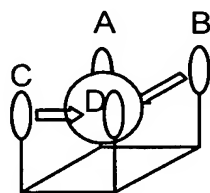
**6 POSITIONAL ISOMERS OF 4 BUILDING BLOCKS AT
VERTICES OF A QUADRILATERAL**



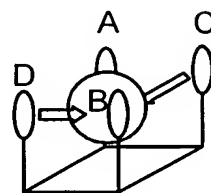
POSITIONAL ISOMERS ON A SCAFFOLD



ISOMER "1"

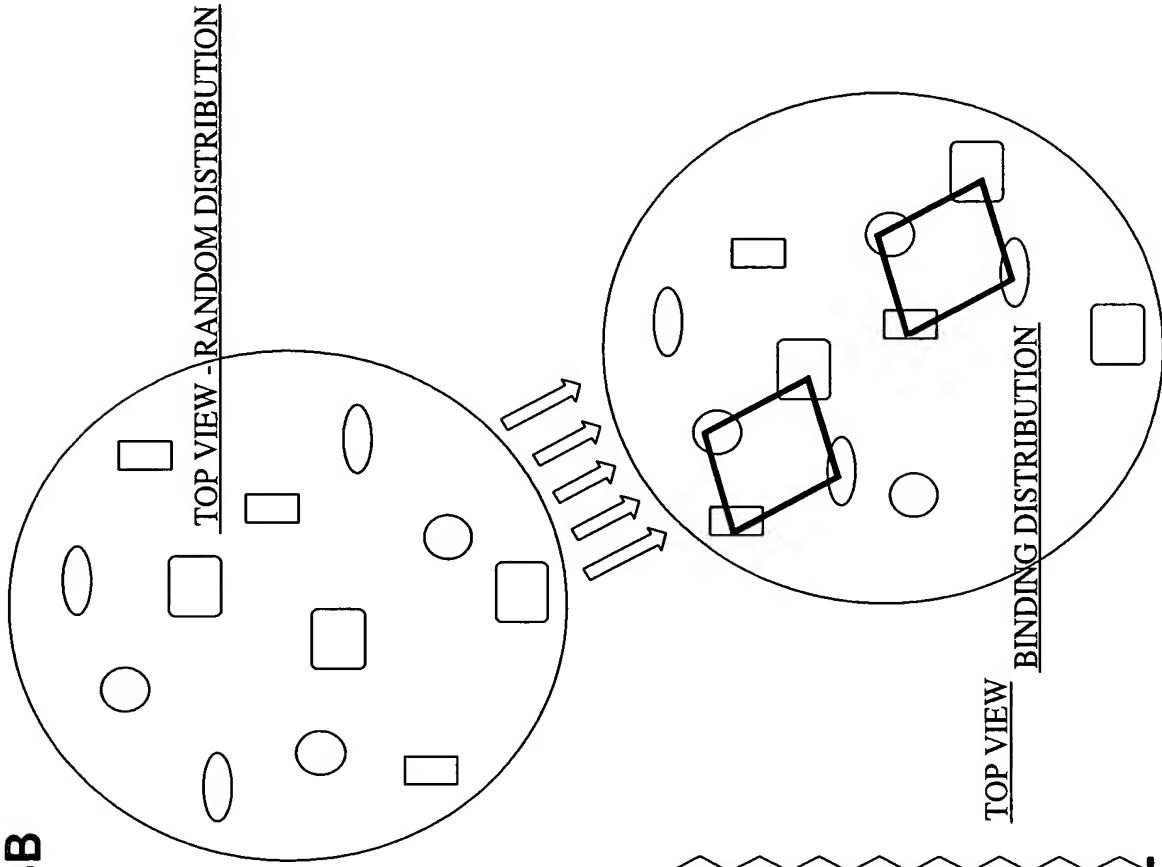


ISOMER "2"



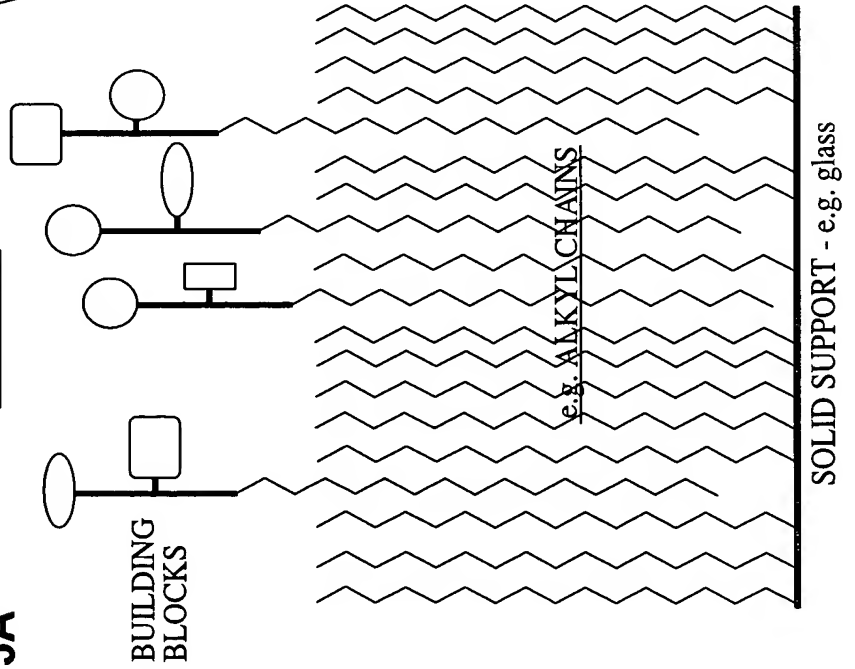
ISOMER "3"

FIG.13B



SIDE VIEW

FIG.13A



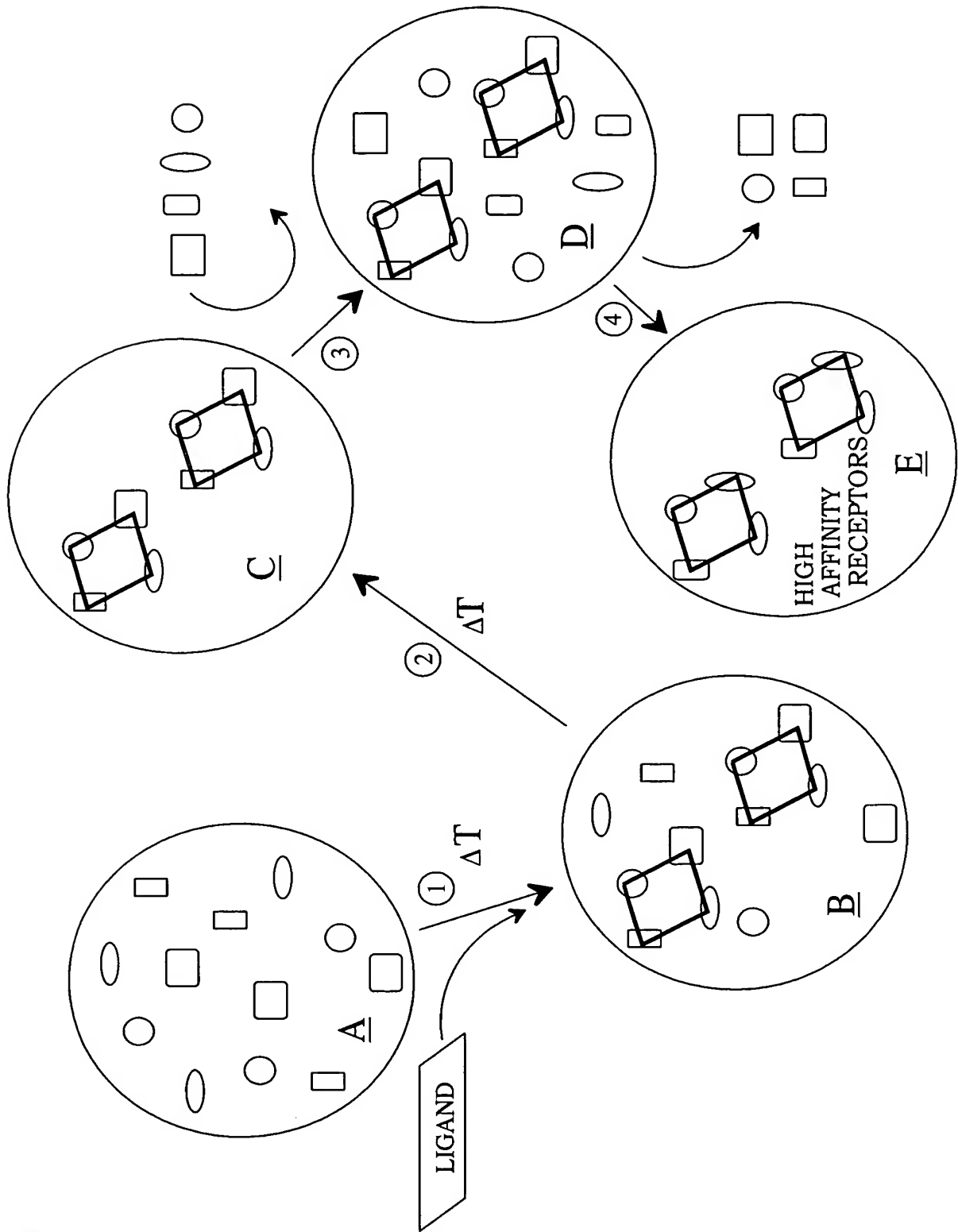


FIG.14

FIG.15

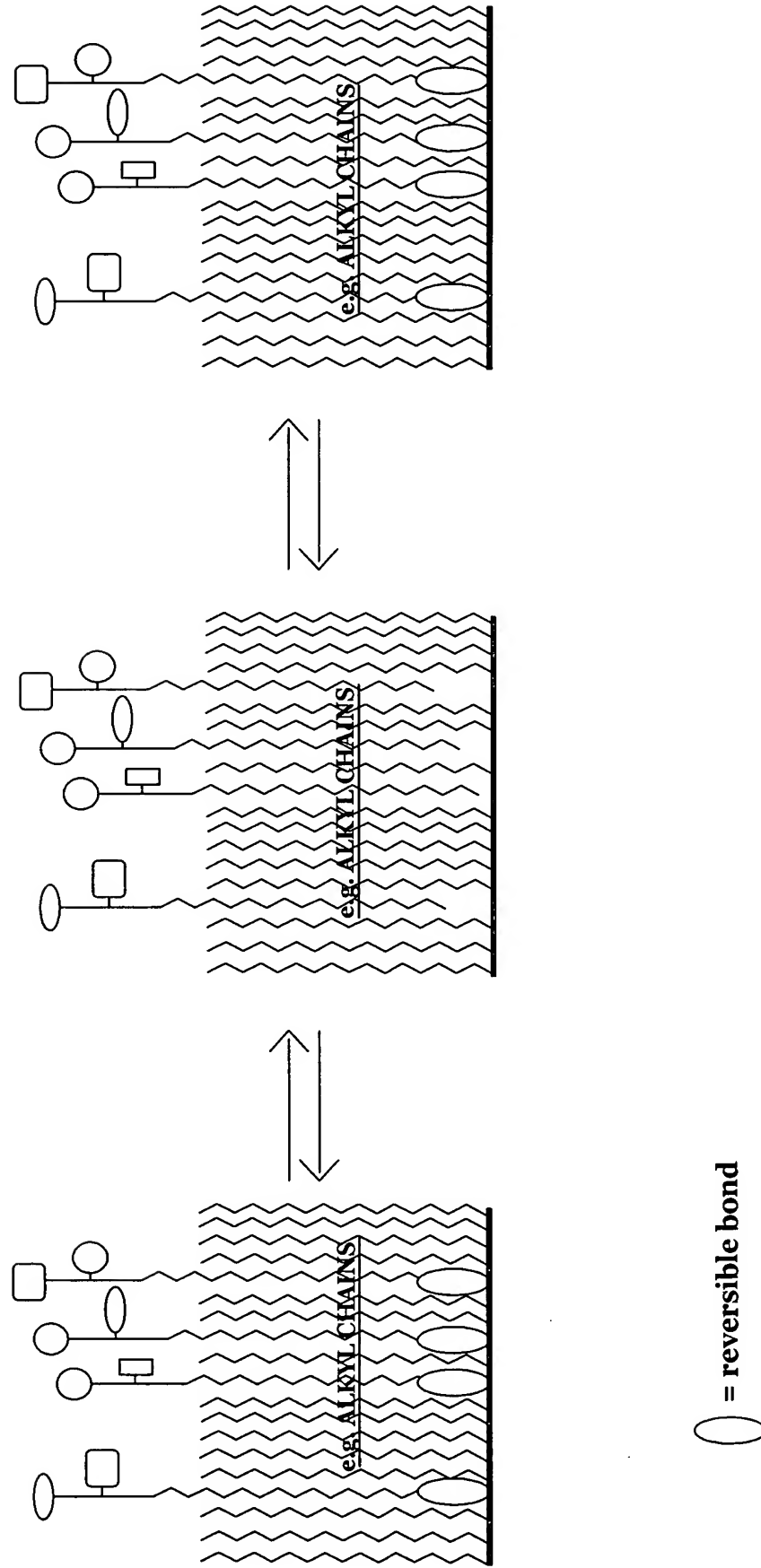


FIG.16B

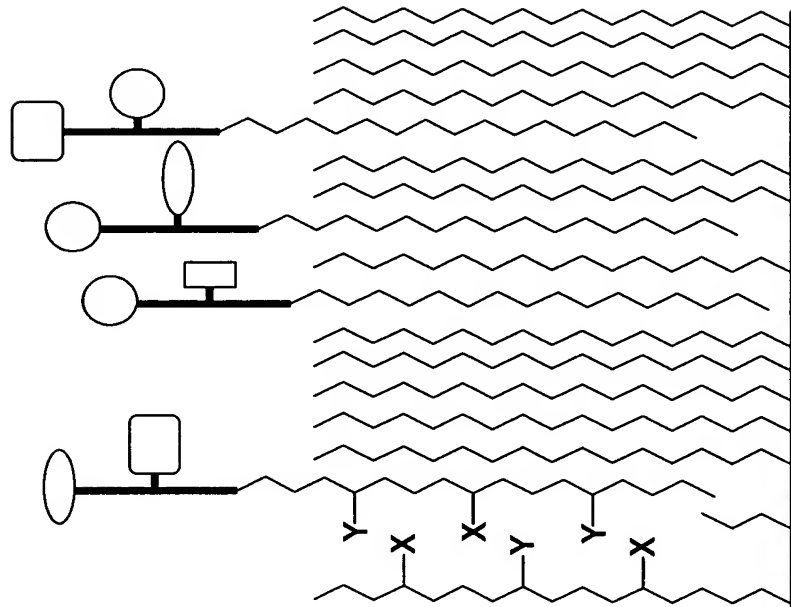


FIG.16A

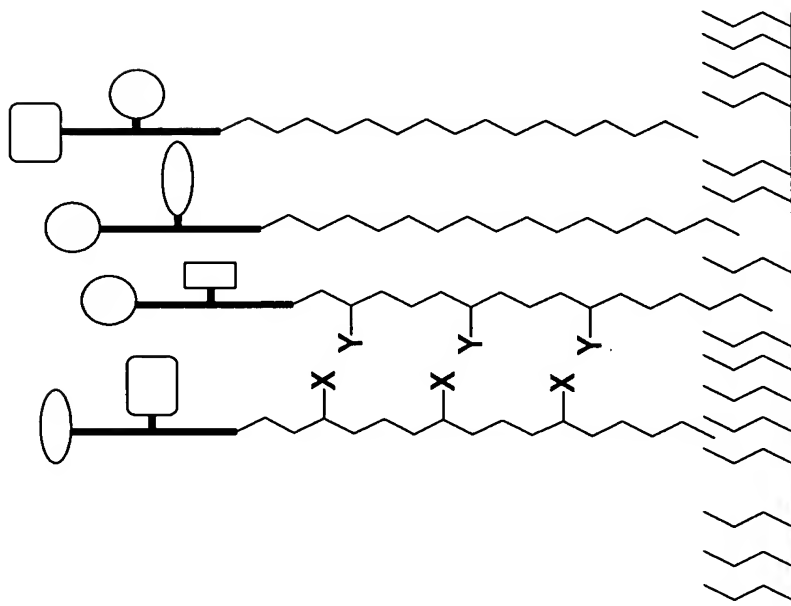
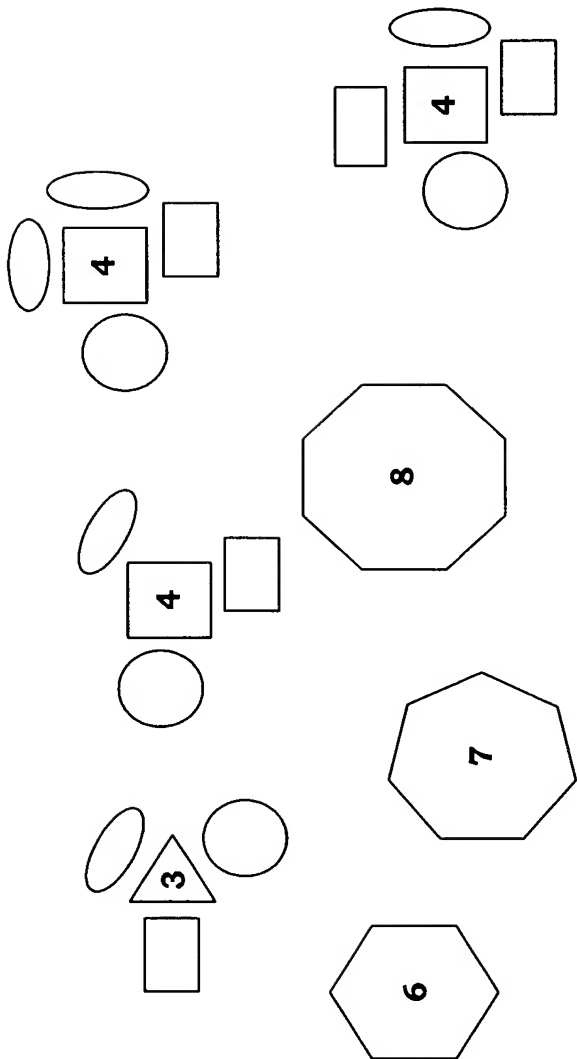


FIG.17



N=81 Building Blocks		
n=3 =>		85,320
n=4 =>		1,663,740
n=5 =>		25,621,596
n=6 =>		328,810,482
n=7 =>		3,522,969,450
n=8 =>		32,587,467,412

FIG.18

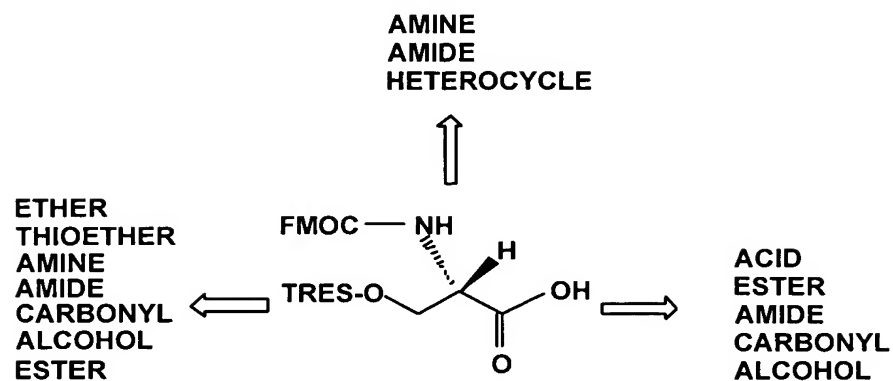


FIG.19

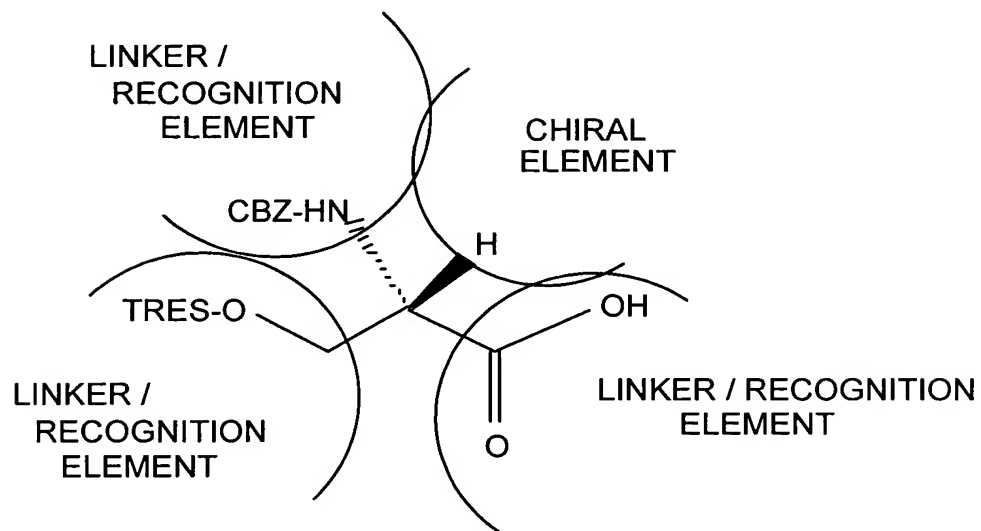


FIG.20

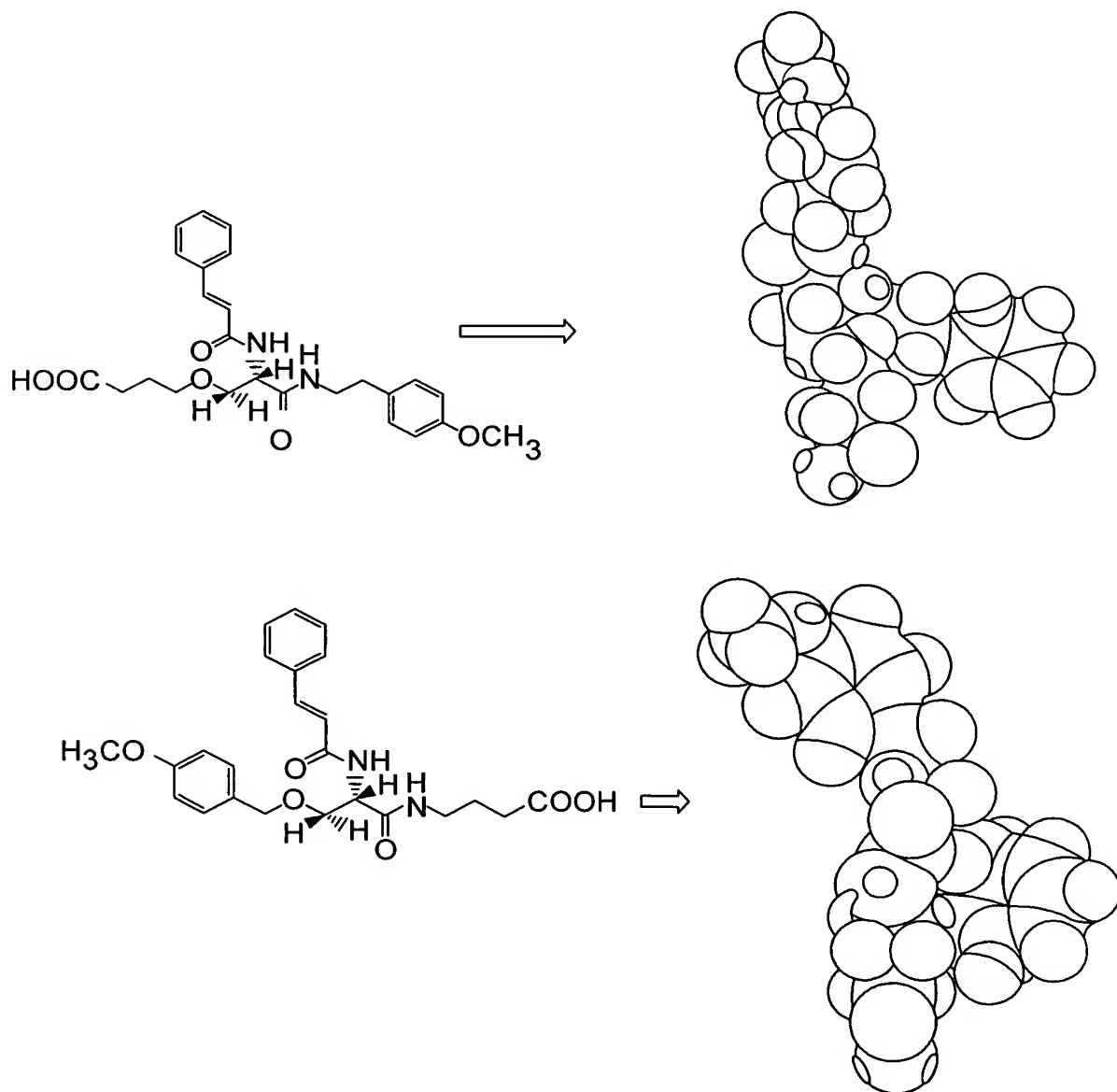
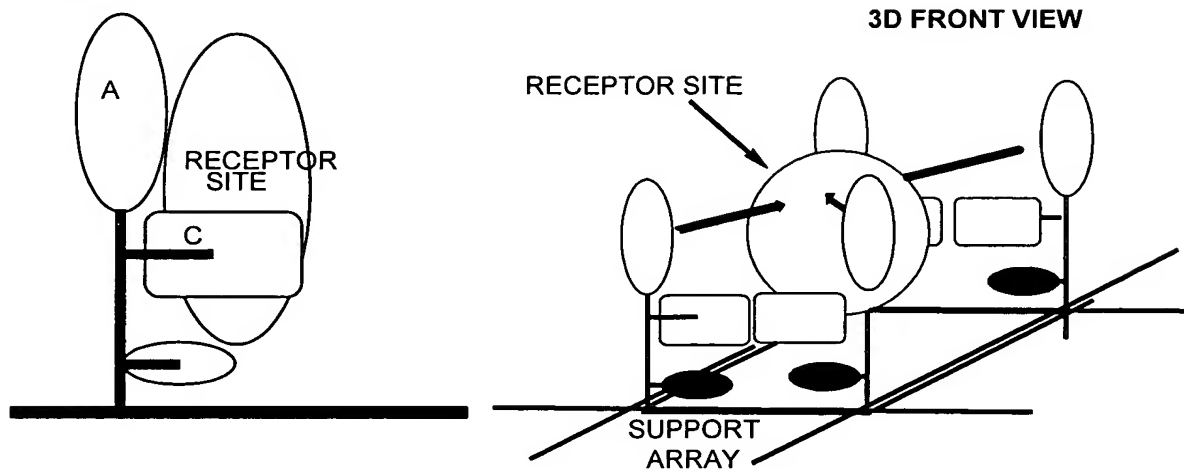


FIG.21

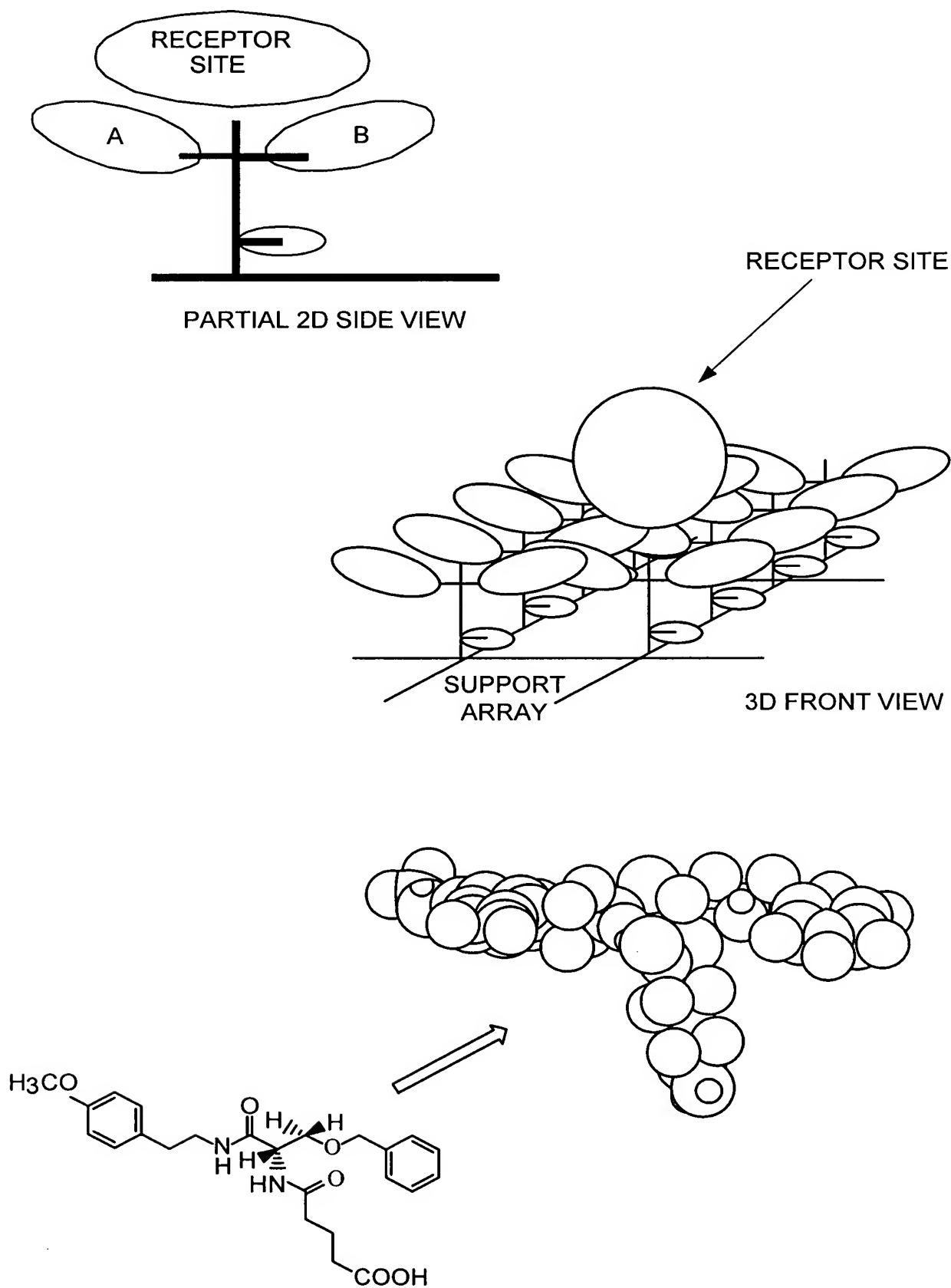
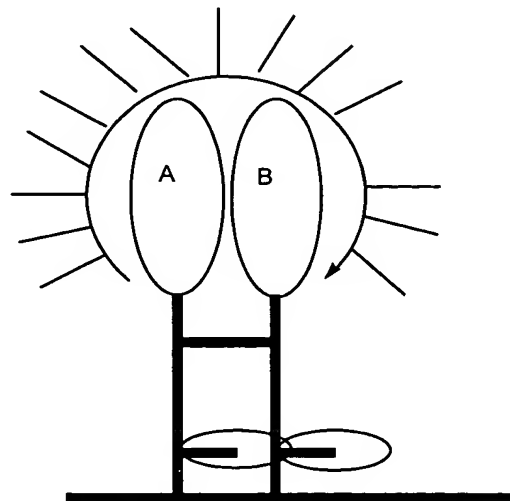
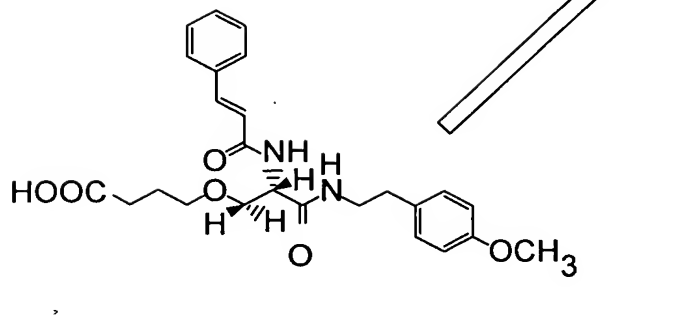


FIG.22



Heterogeneous
A/B Illustrated



Heterogeneous
A/A Illustrated

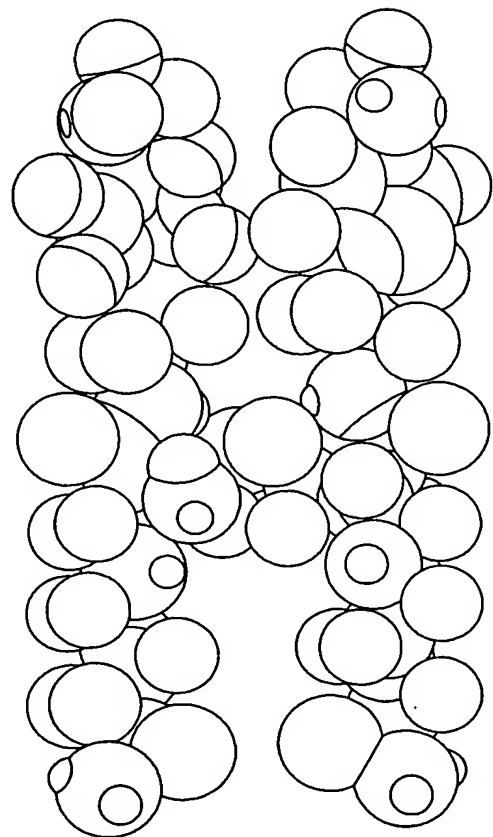


FIG. 23

Origin = 28, 140 pixels
(0.28, 1.4 mm)
Size = 2032 x 1888 pixels
(20.32 x 18.88 mm)
Scaling = 10 $\mu\text{m}/\text{pixel}$
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 940
Laser Power = 100%
Normalization Factor = 1
Focus Position = 0



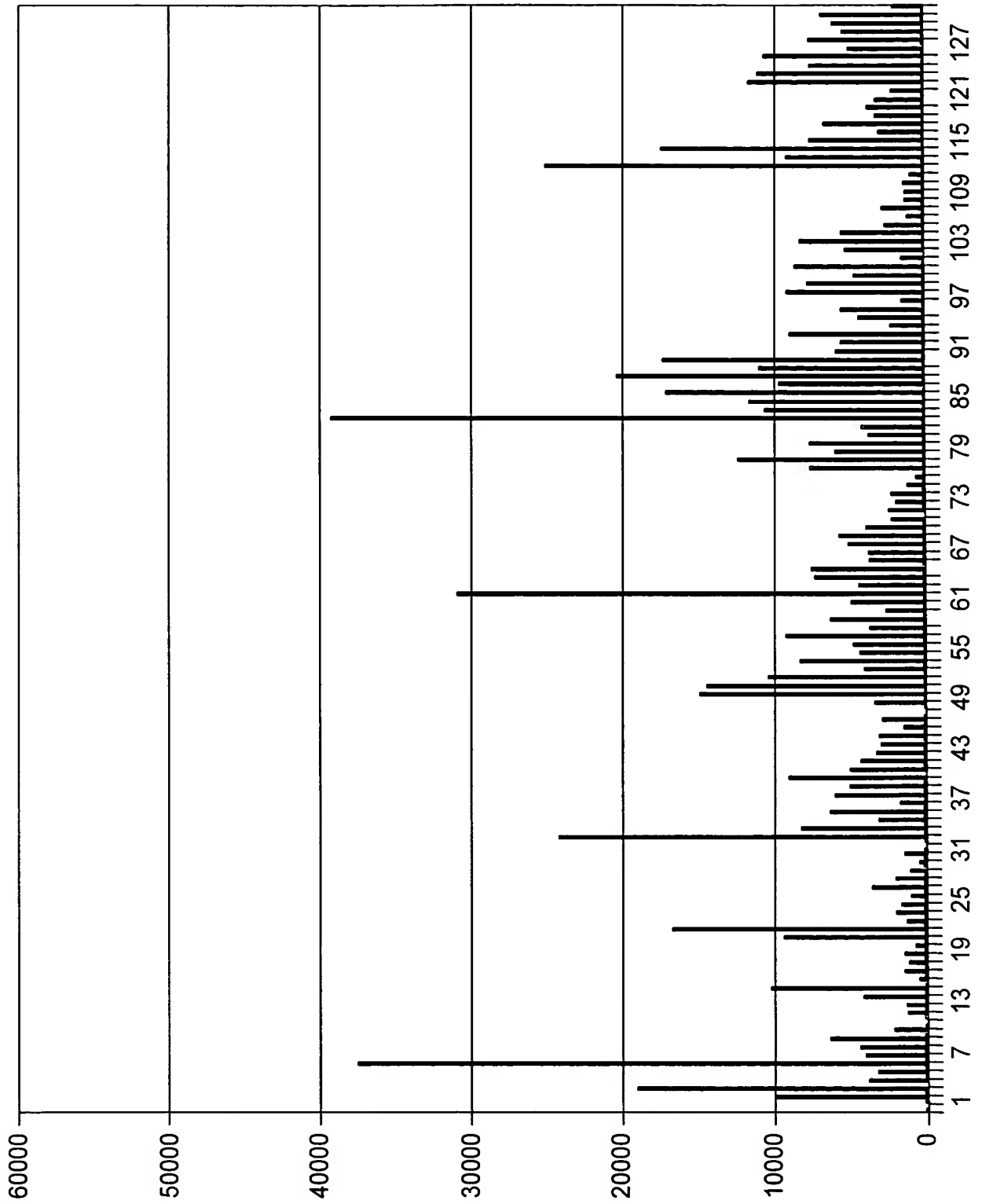


FIG. 24

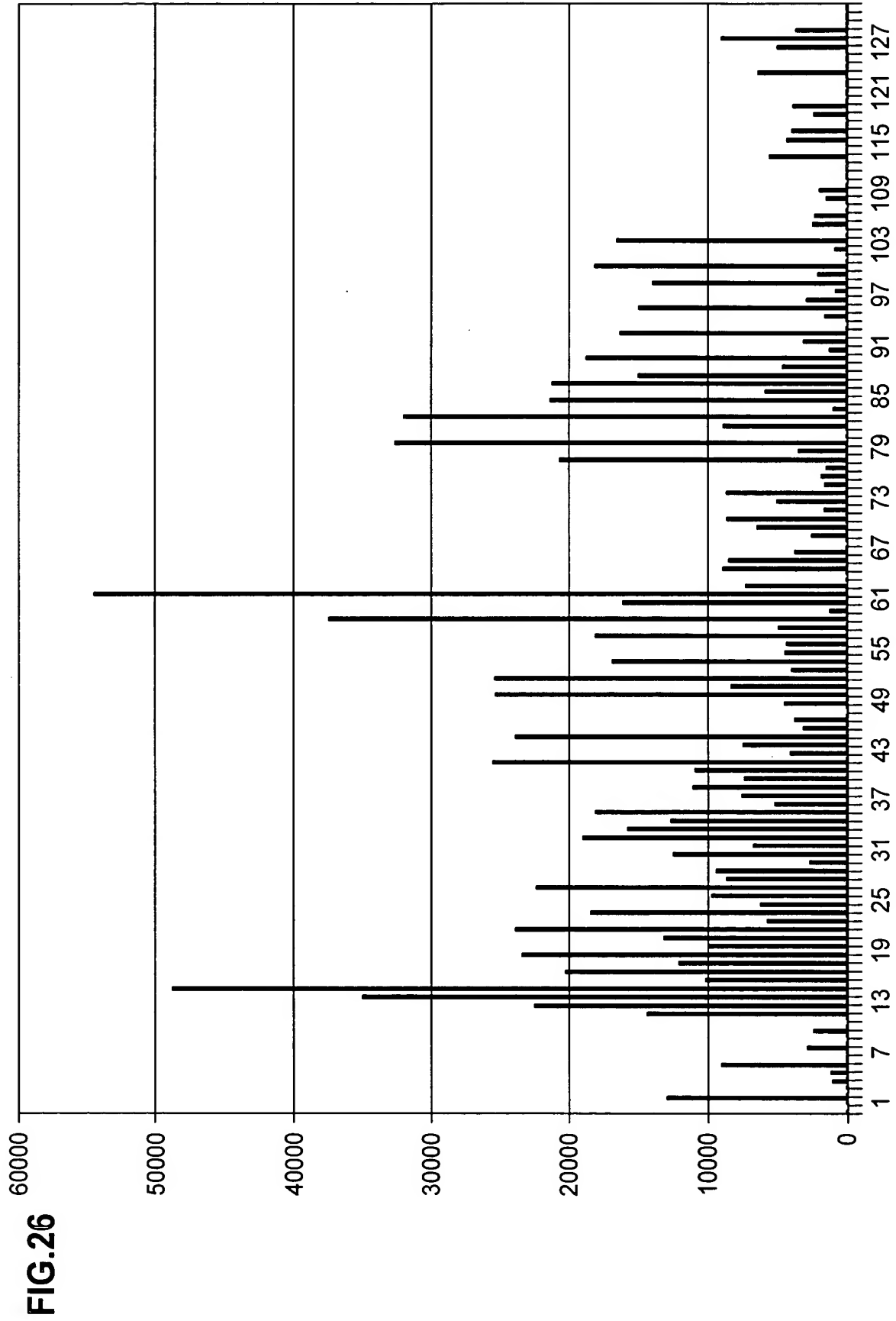
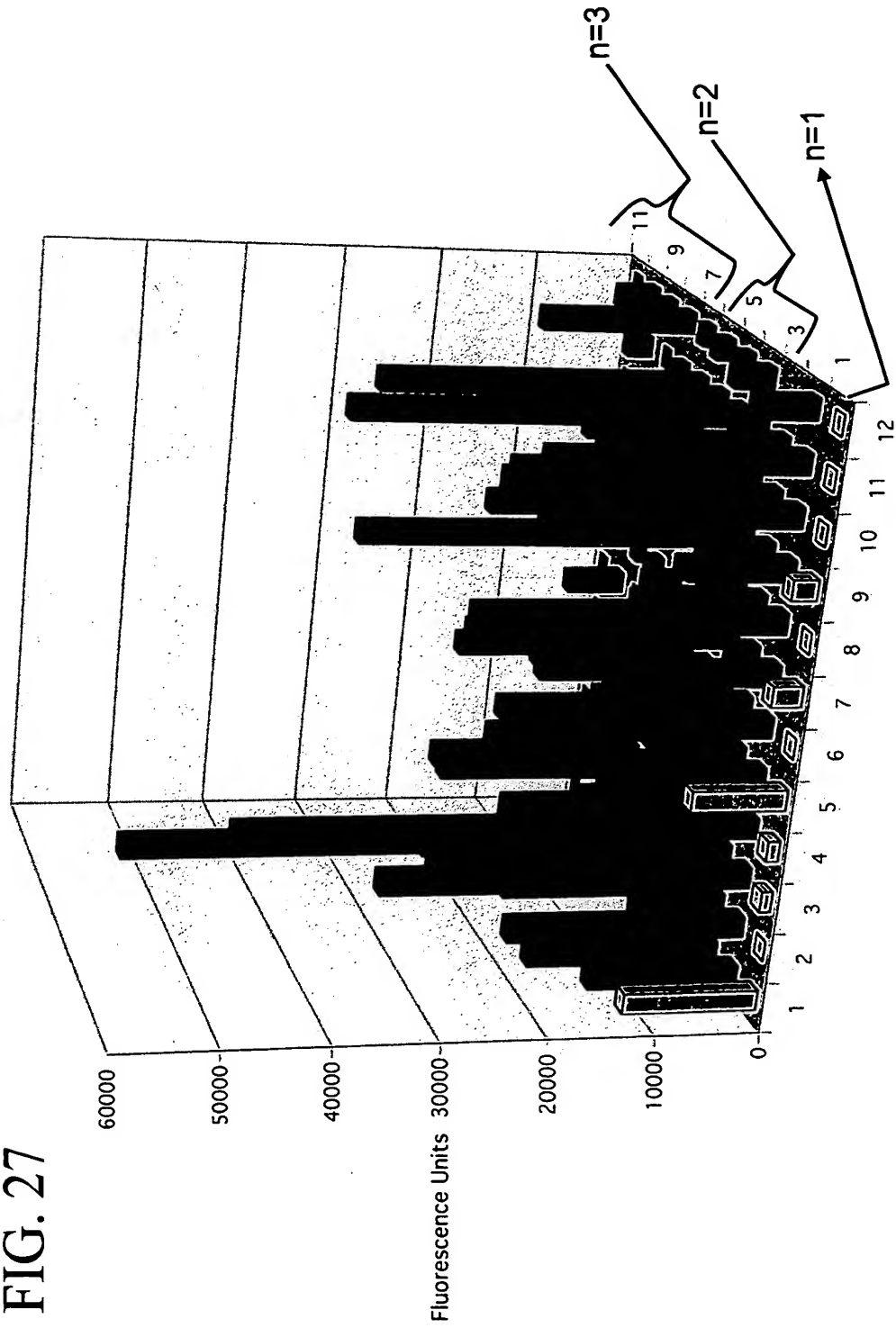
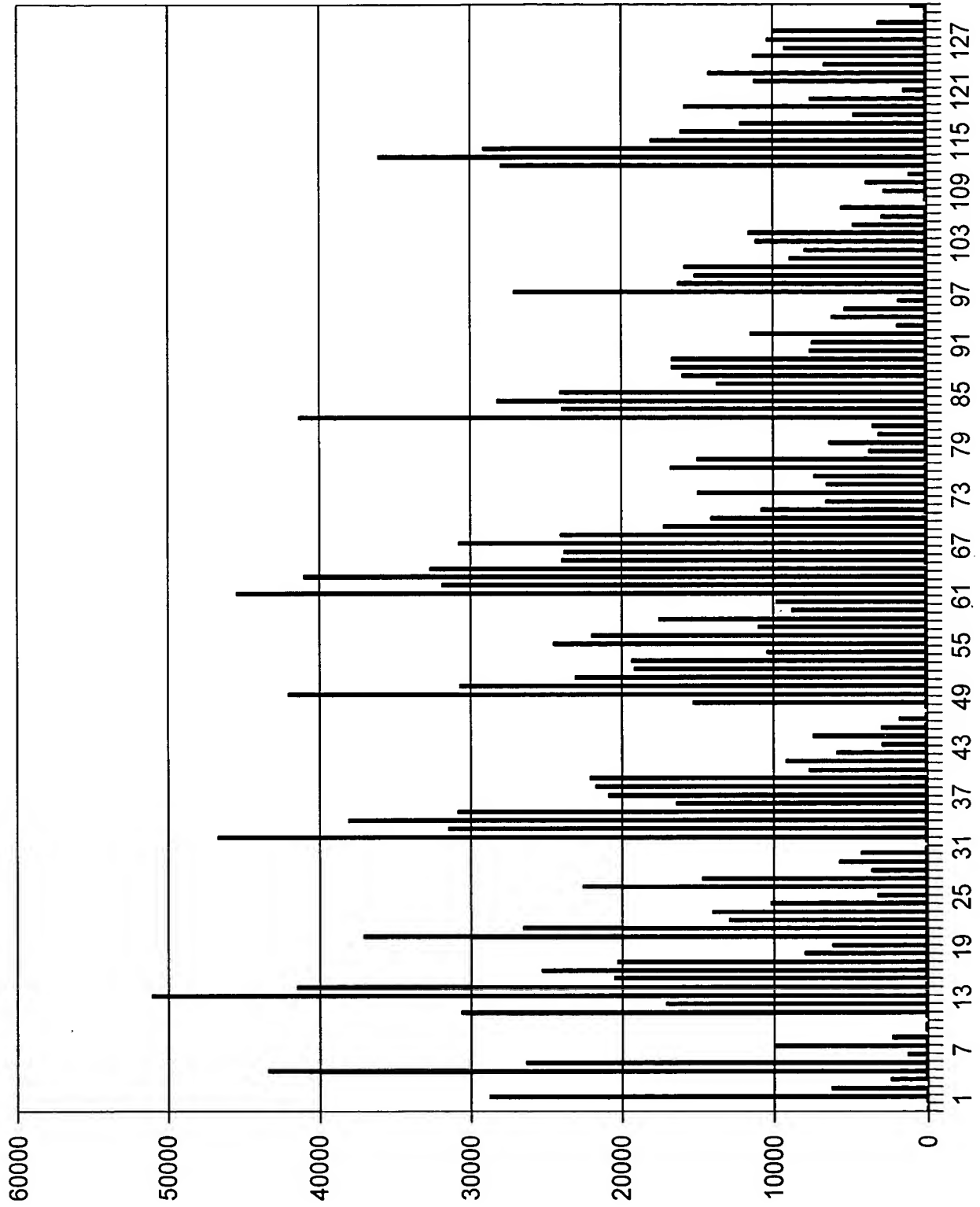


FIG. 27





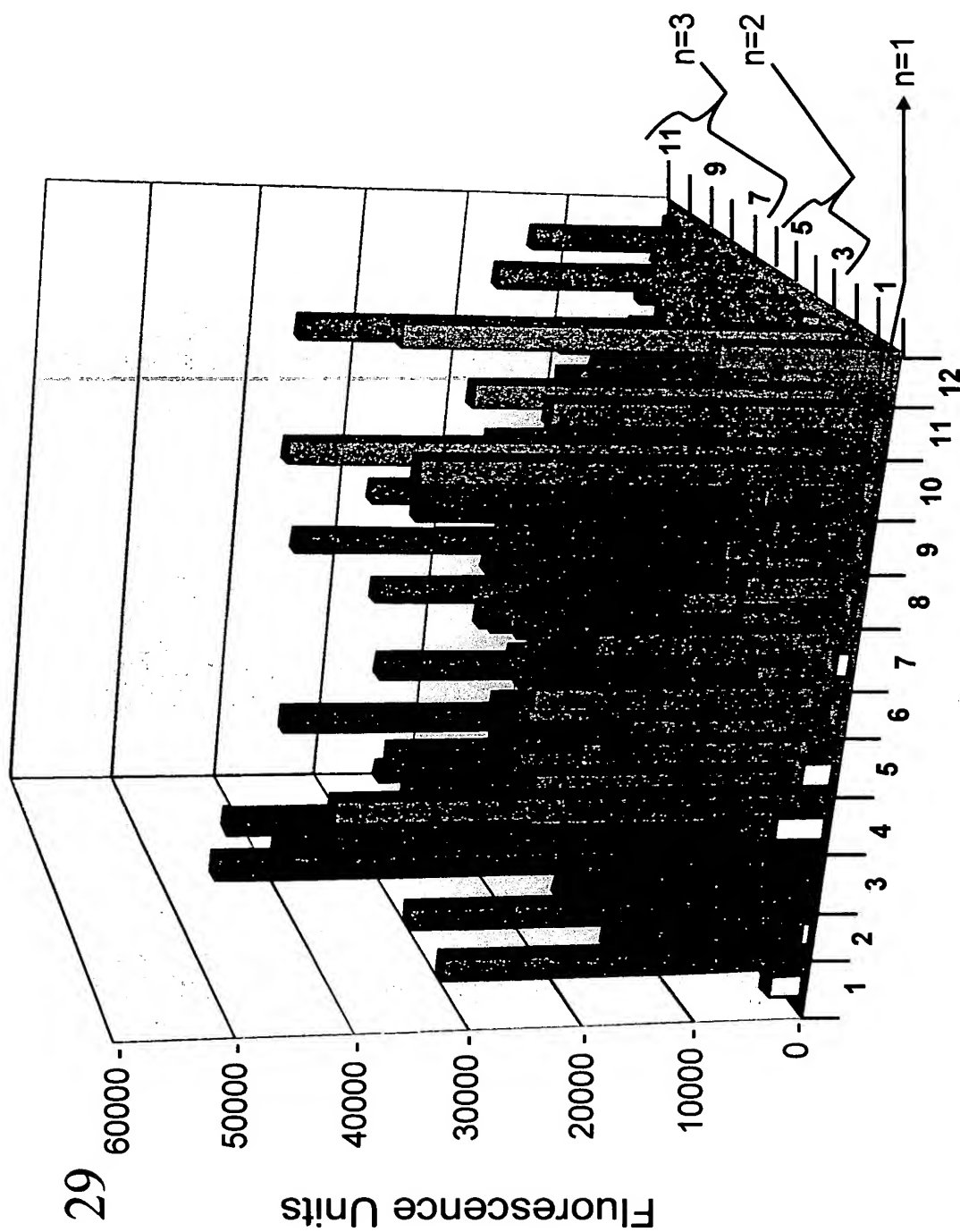
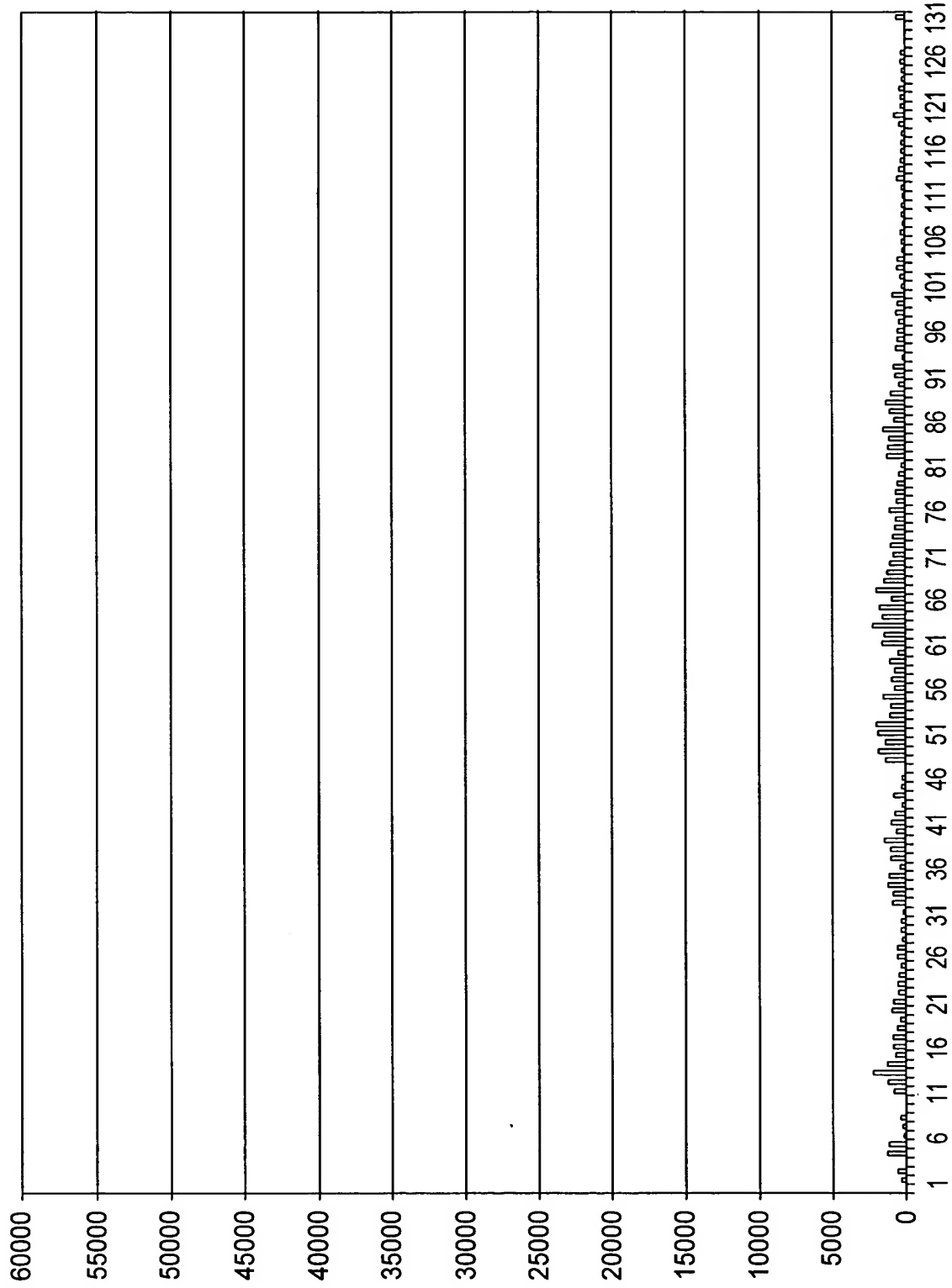
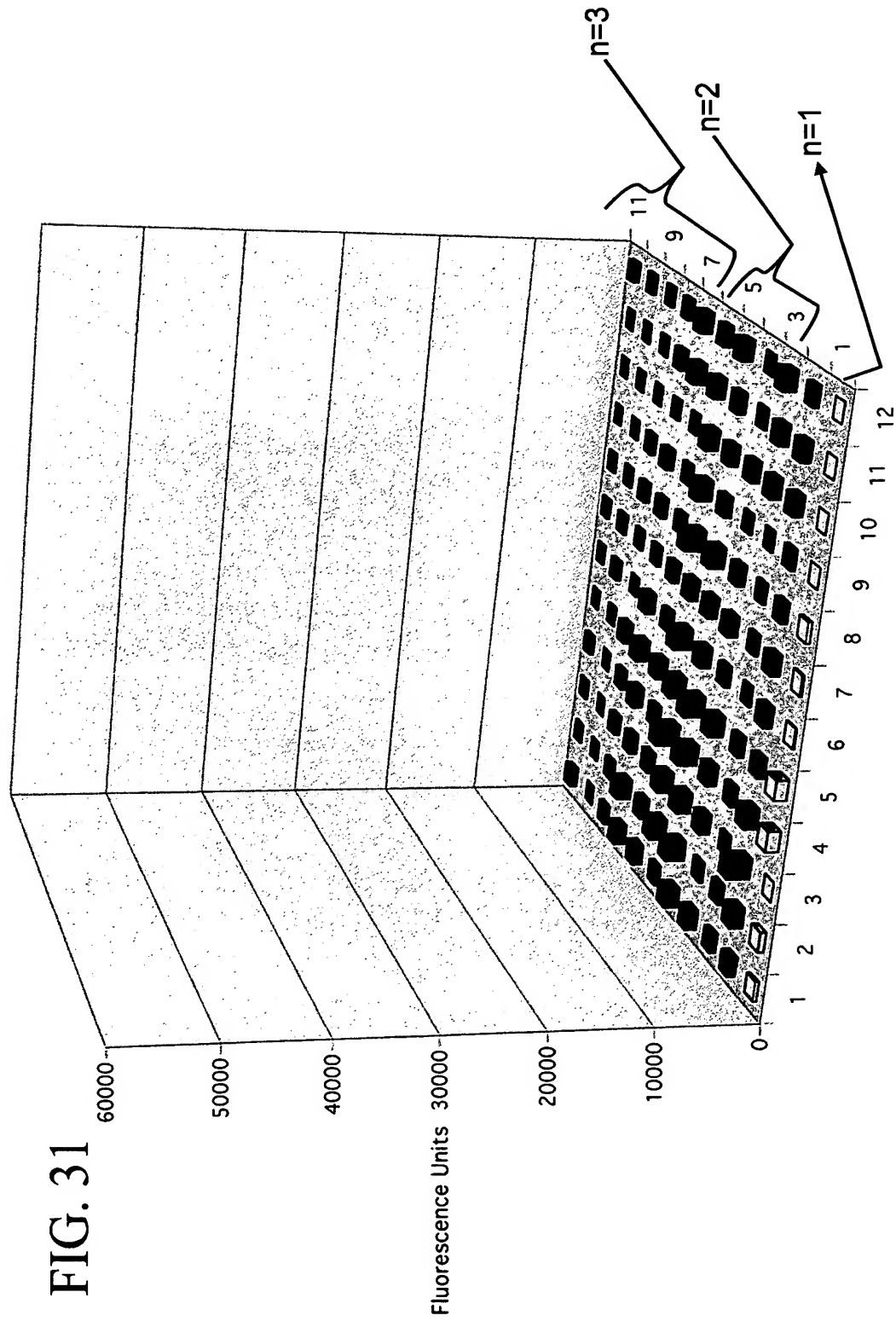


FIG. 29

FIG. 30





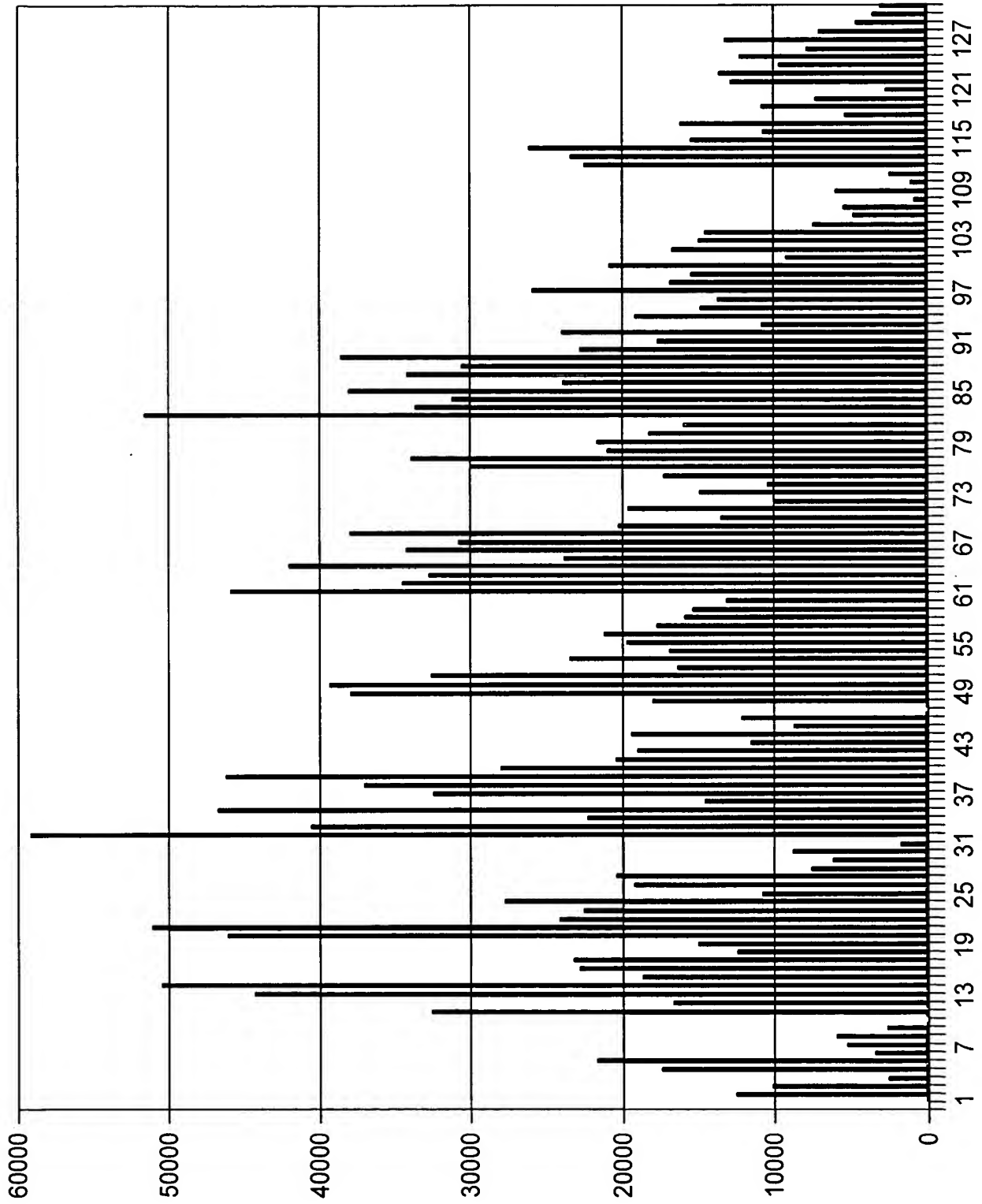
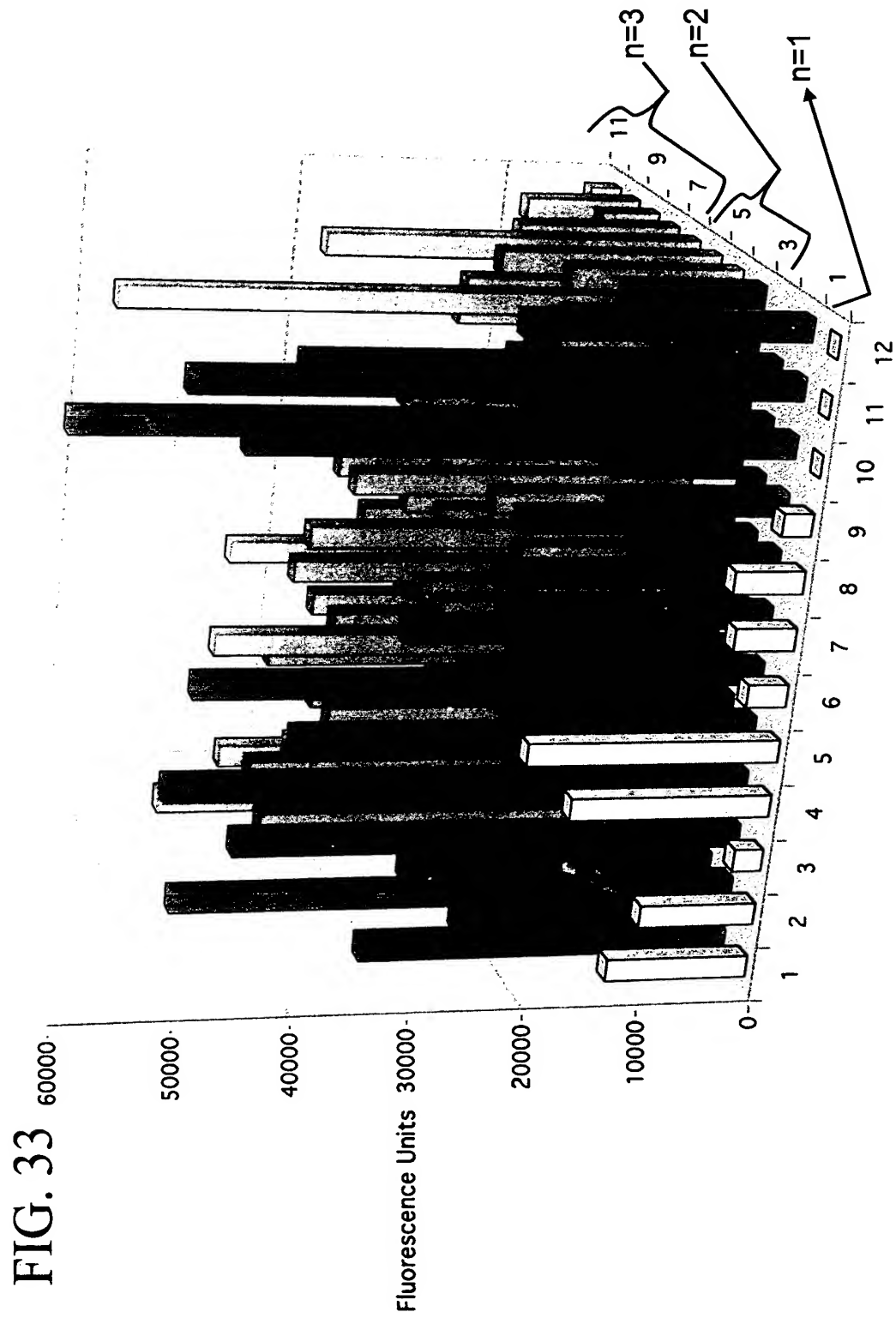


FIG.32



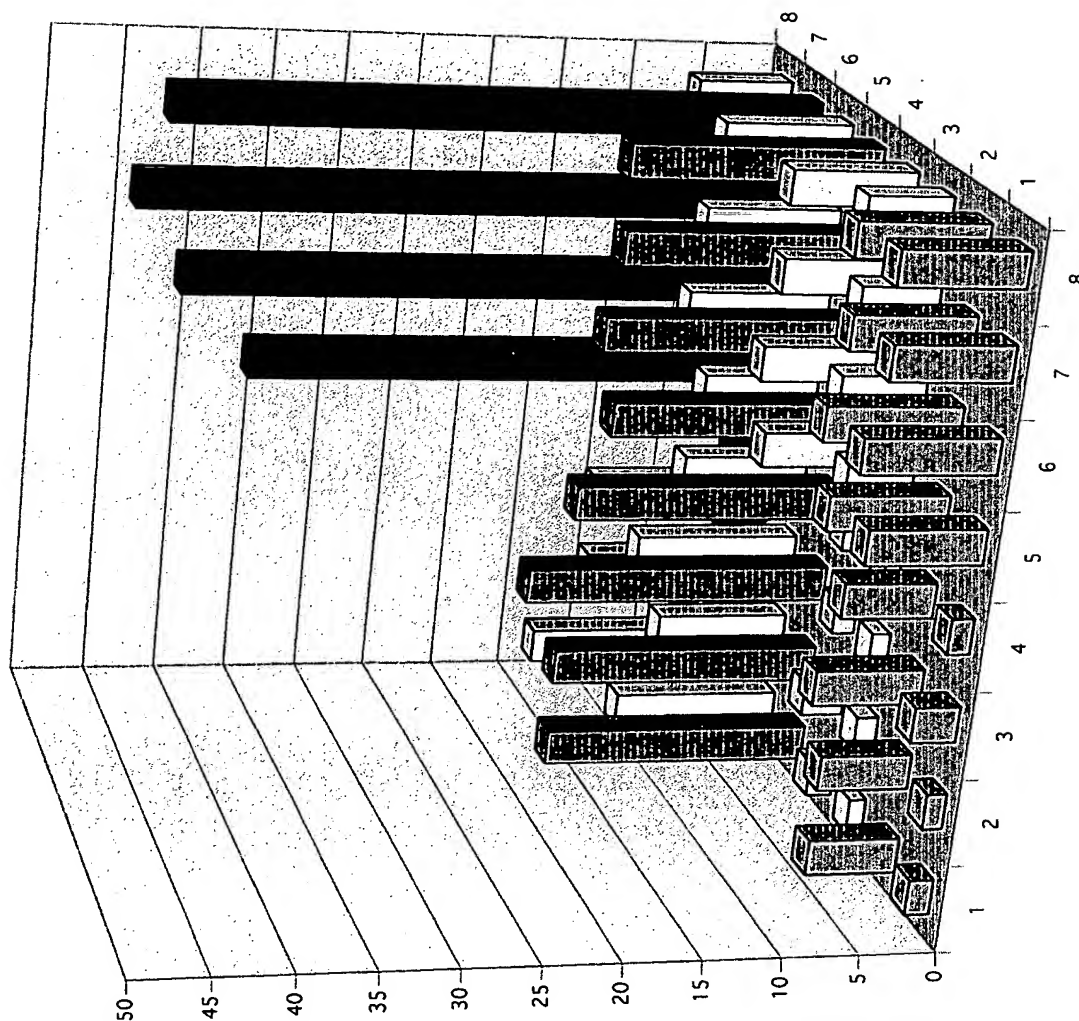


FIG. 34

FIG. 35

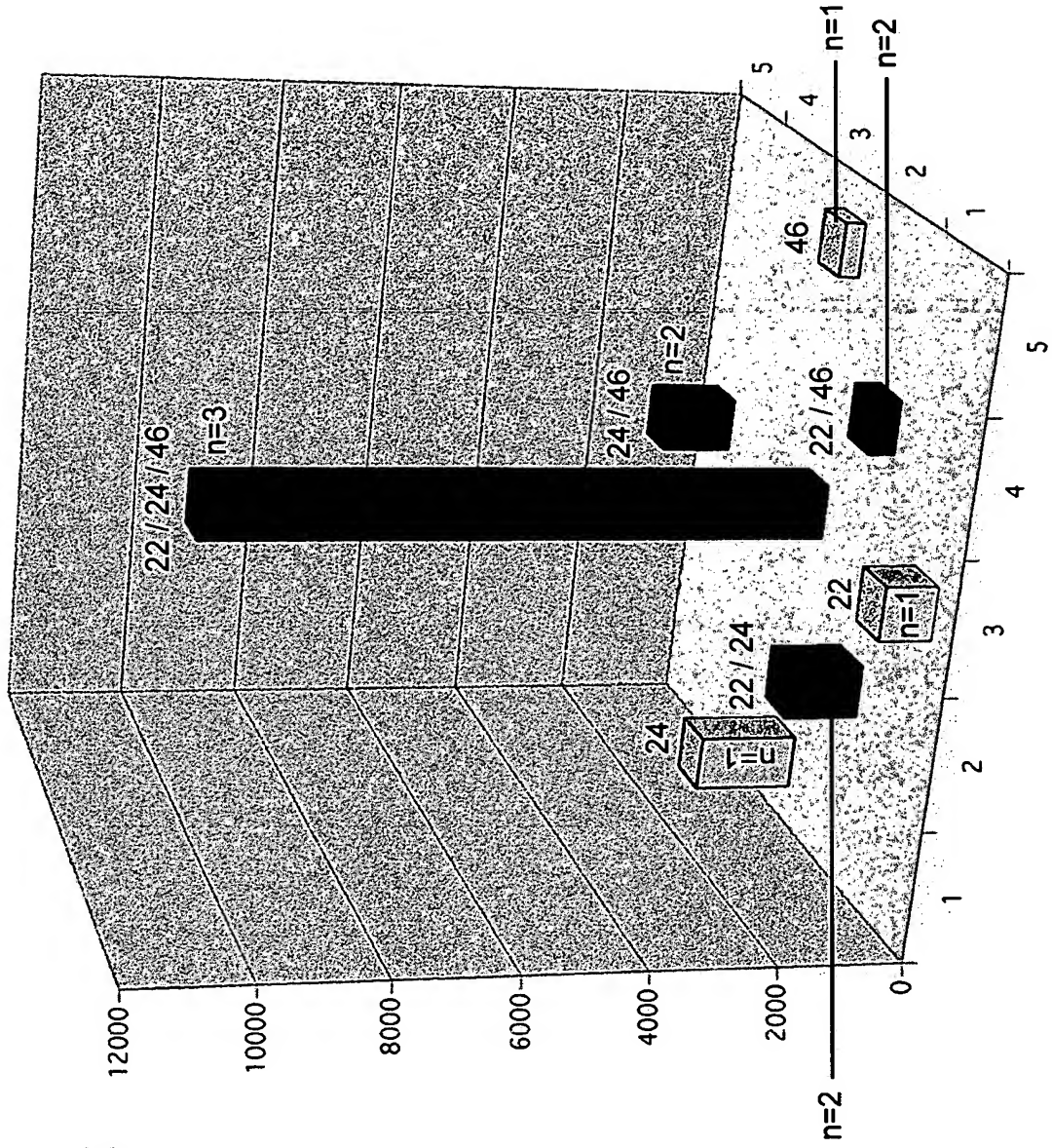
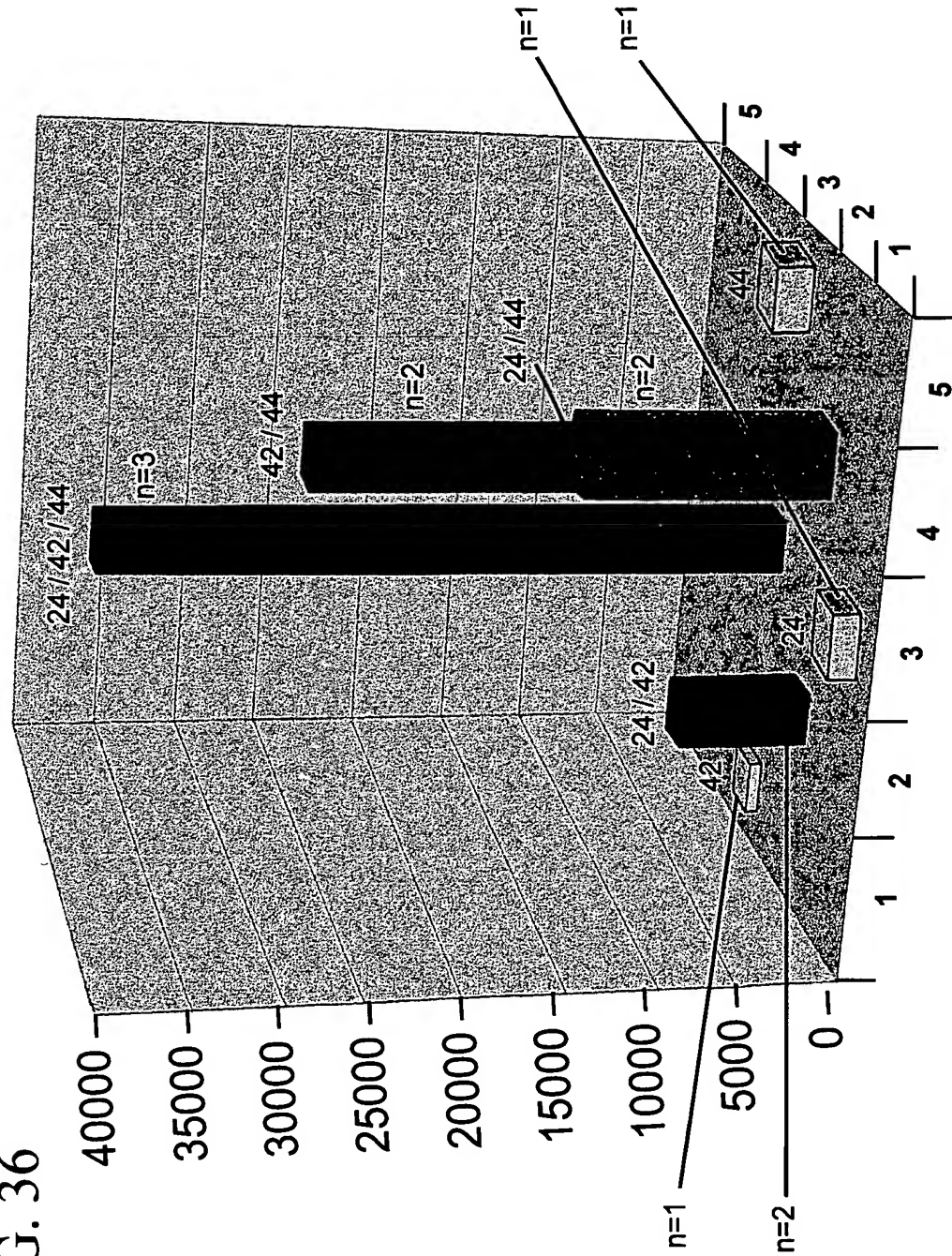


FIG. 36



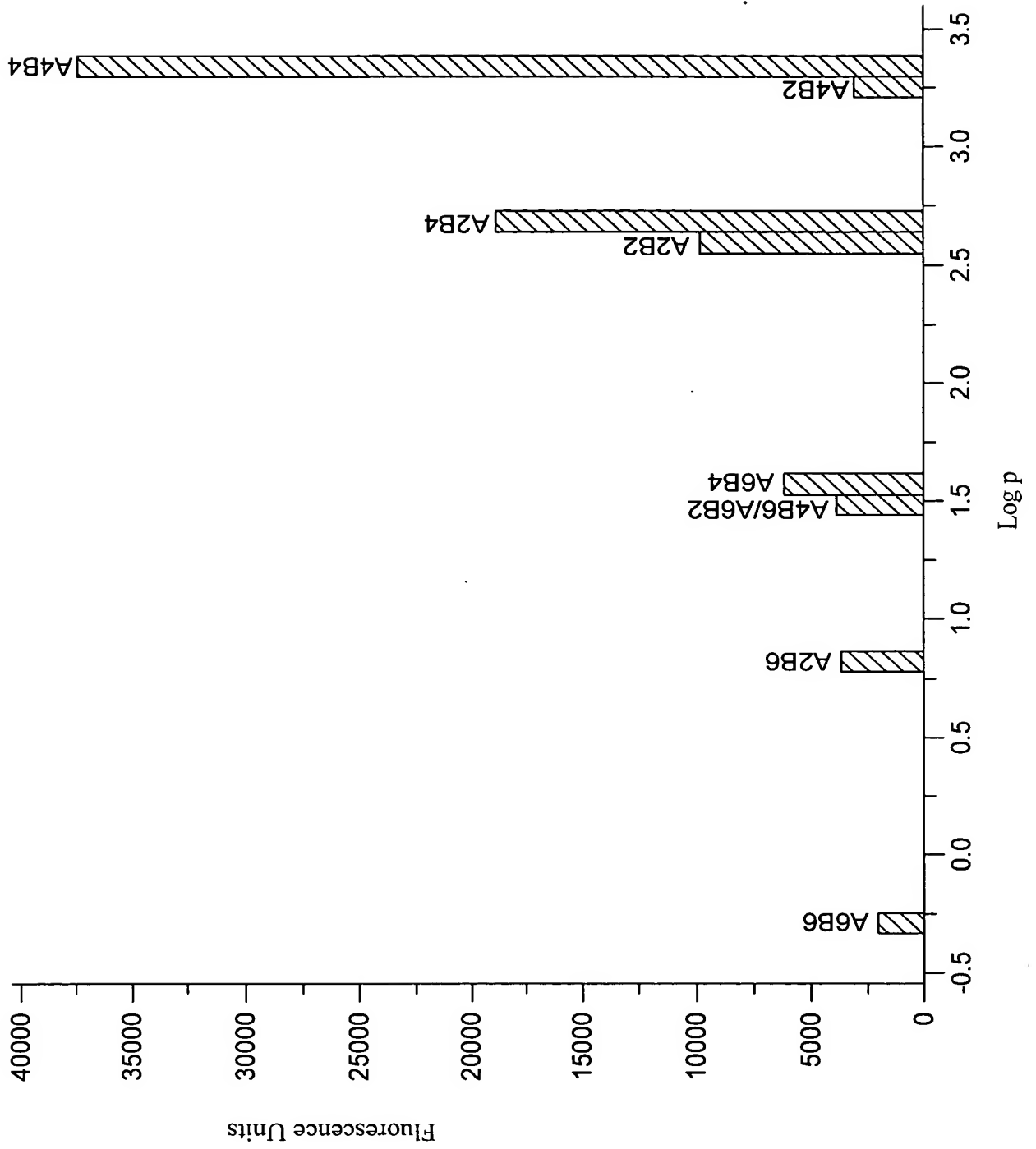
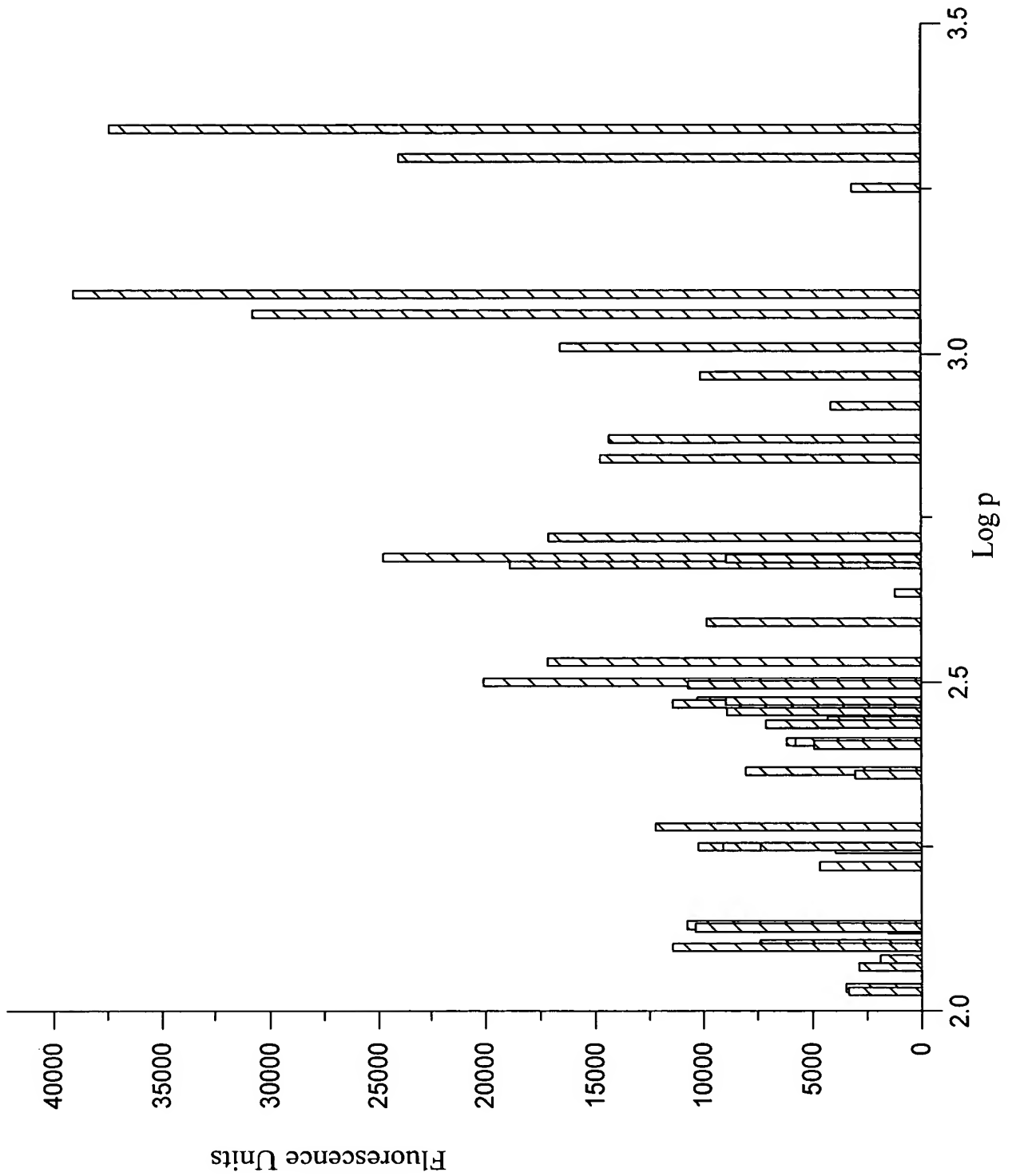


FIG.37



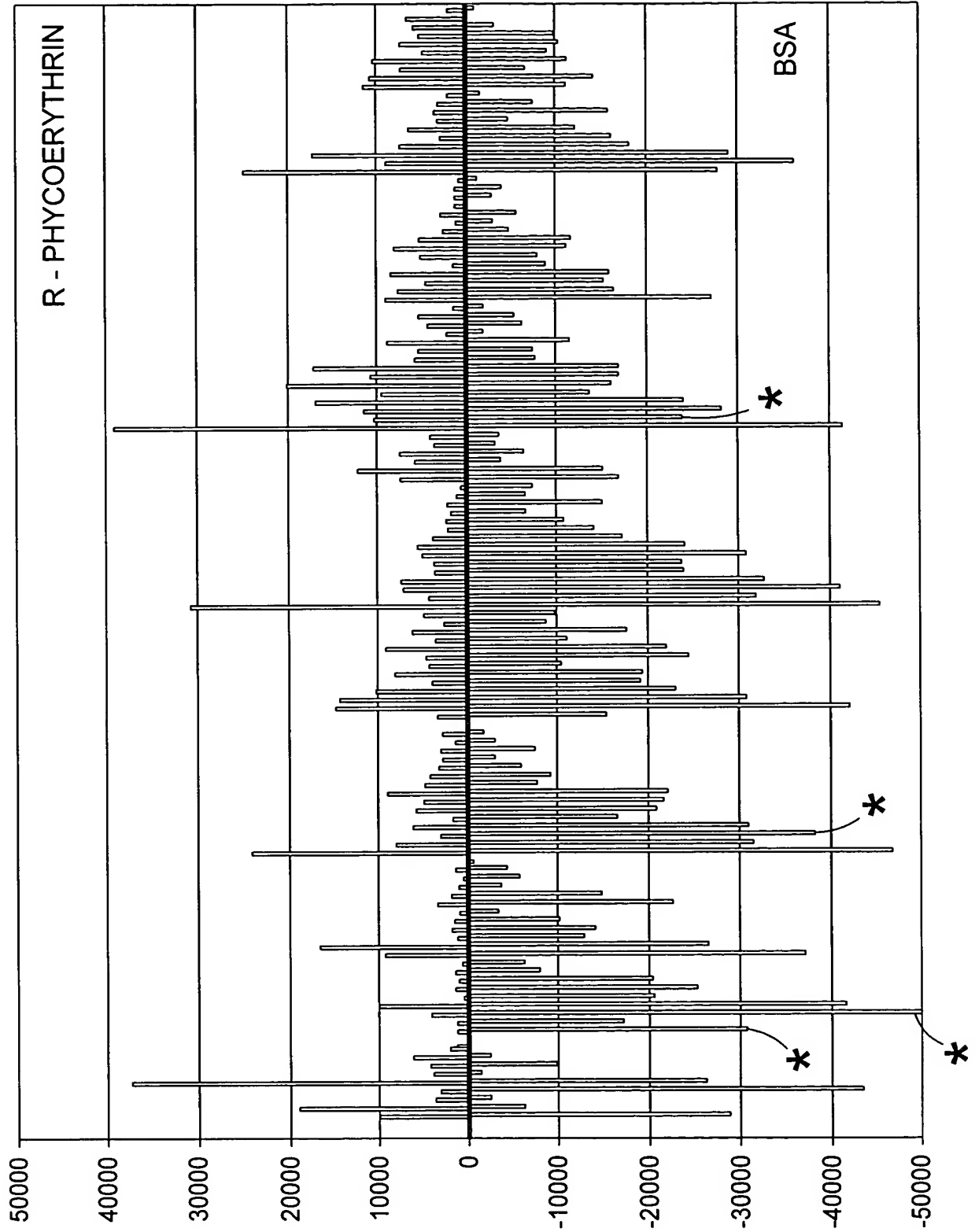
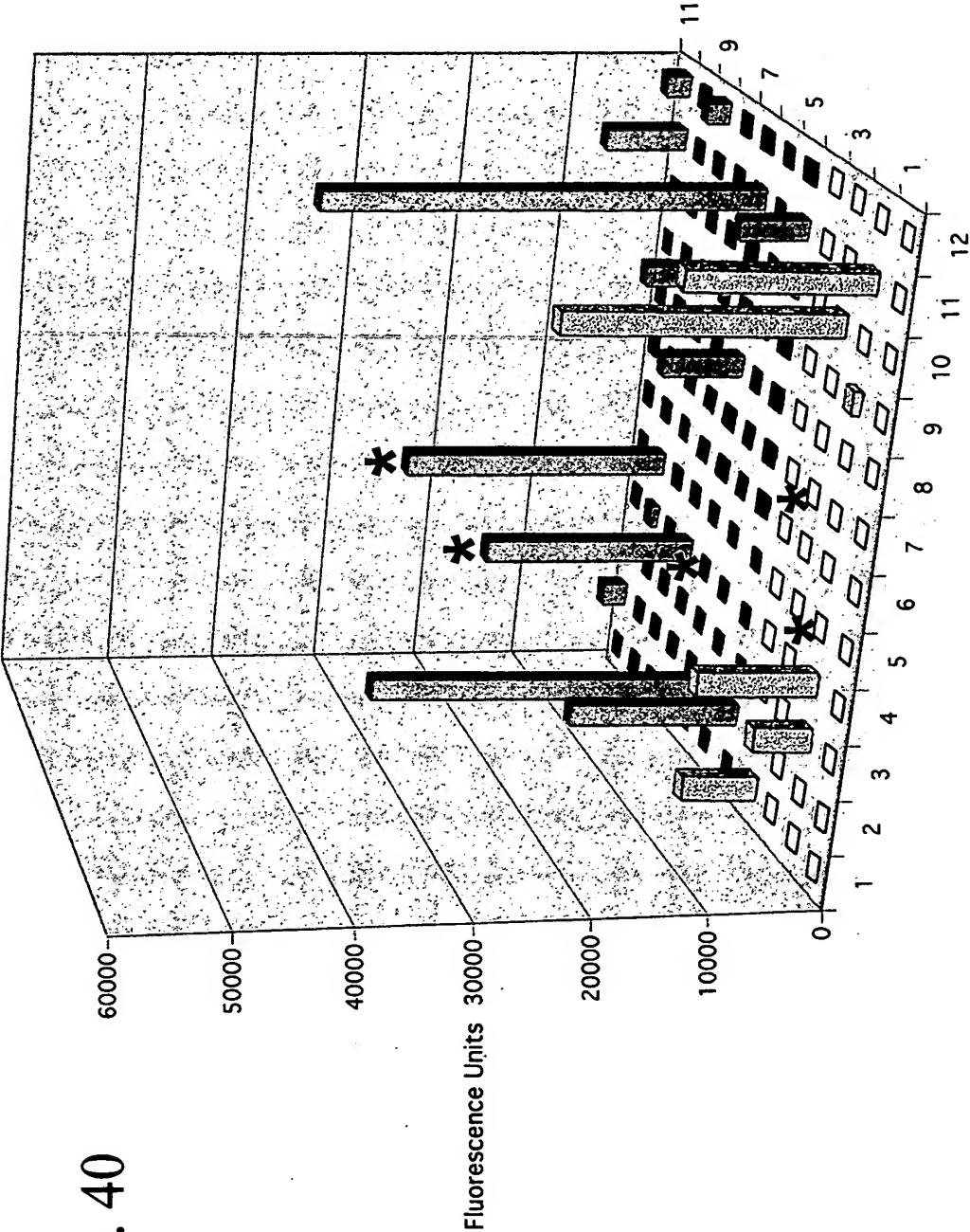


FIG.39



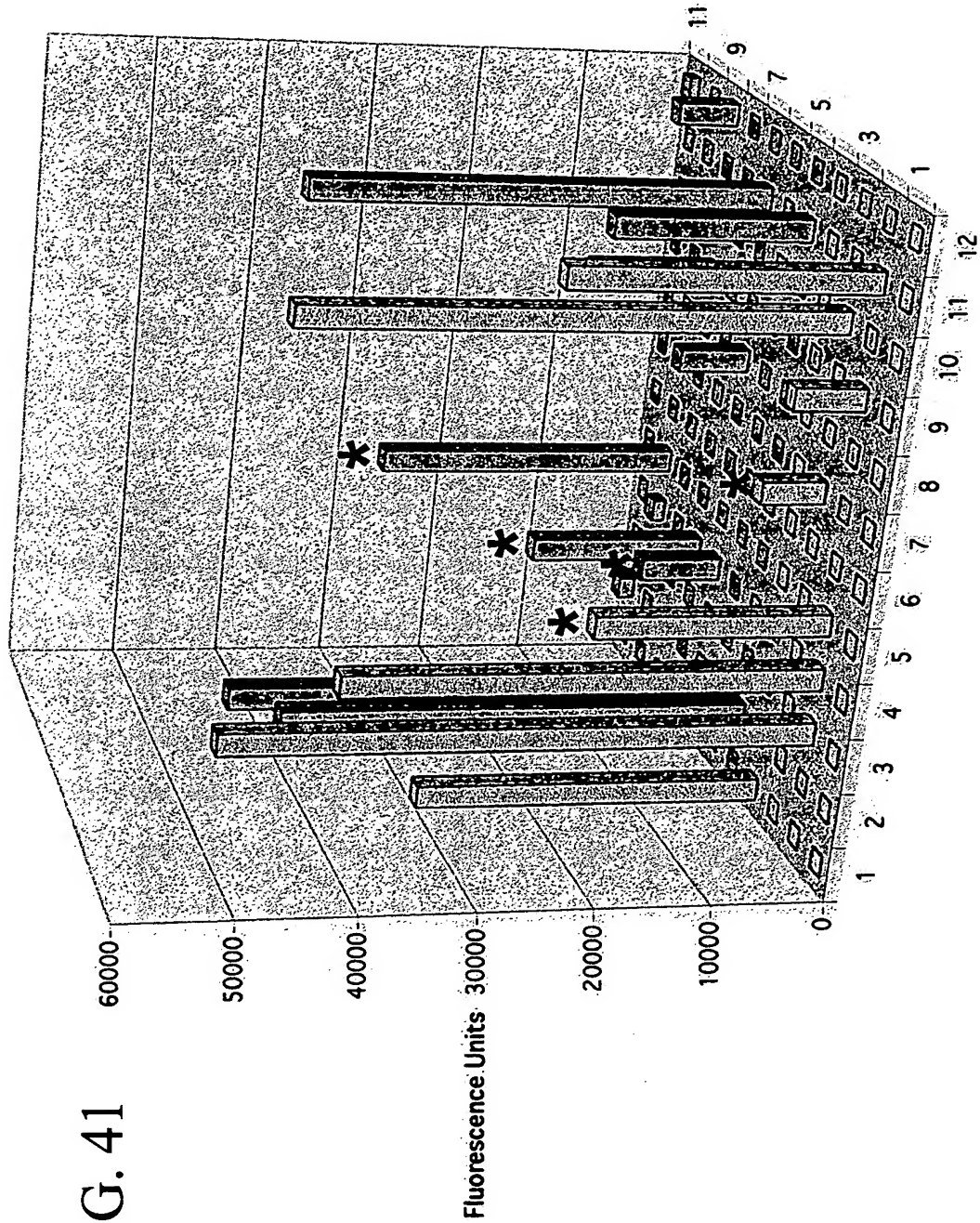


FIG. 42

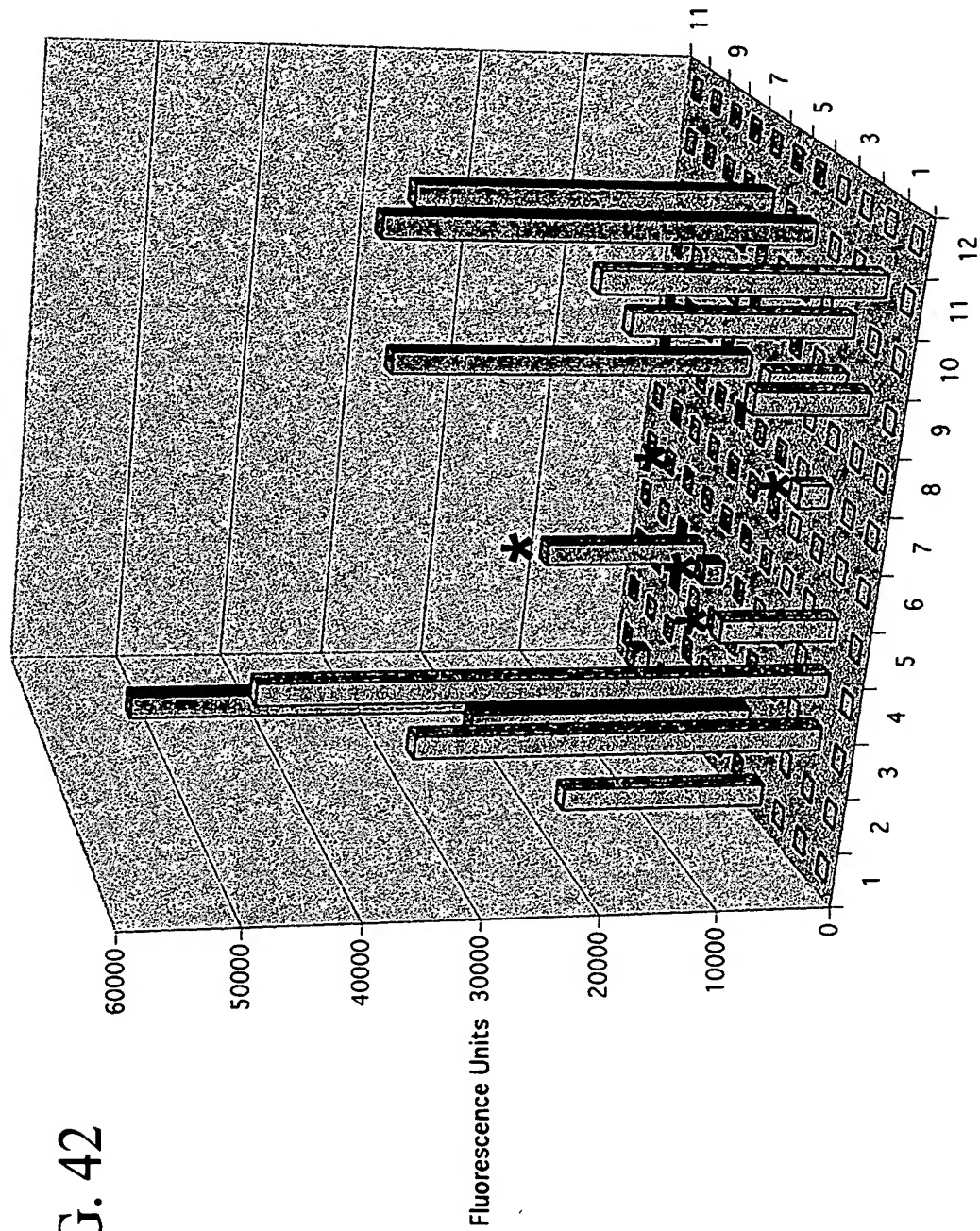




FIG. 43

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 600
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

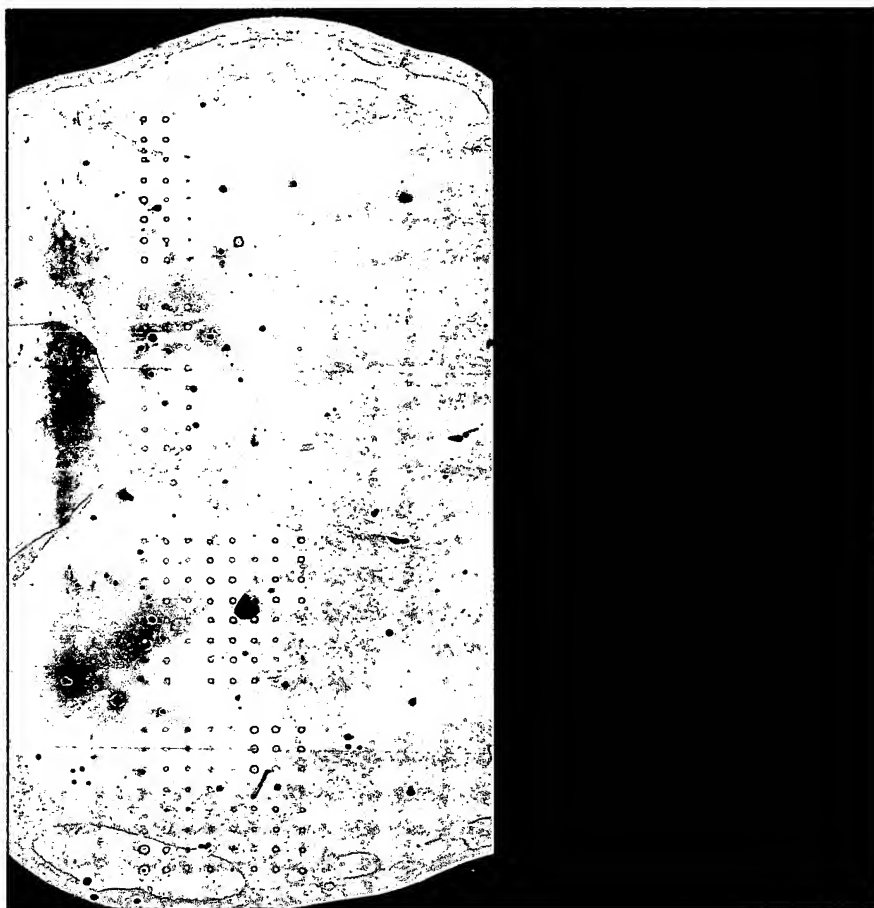


FIG. 44

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1068 pixels
(21.8 x 10.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 600
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

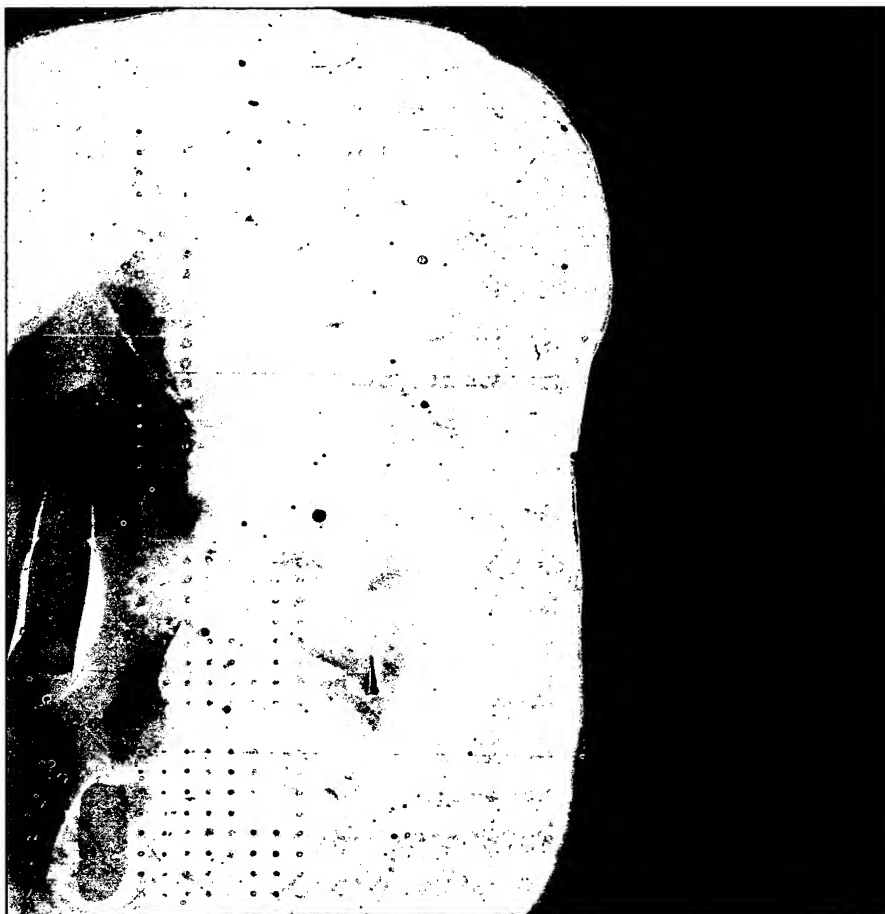


FIG. 45

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10 μ m/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 600
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0

FIG. 46

Origin = 4, 0 pixels
(0.04, 0 mm)
Size = 2180 x 1368 pixels
(21.8 x 13.68 mm)
Scaling = 10µm/pixel
Scanner = GenePix 4100A 01 [92896]
No averaging.
PMT Gain = 560
Laser Power = 100%
Normalization Factor = 1
Filter = 670DF40
Focus Position = 0



FIG.47

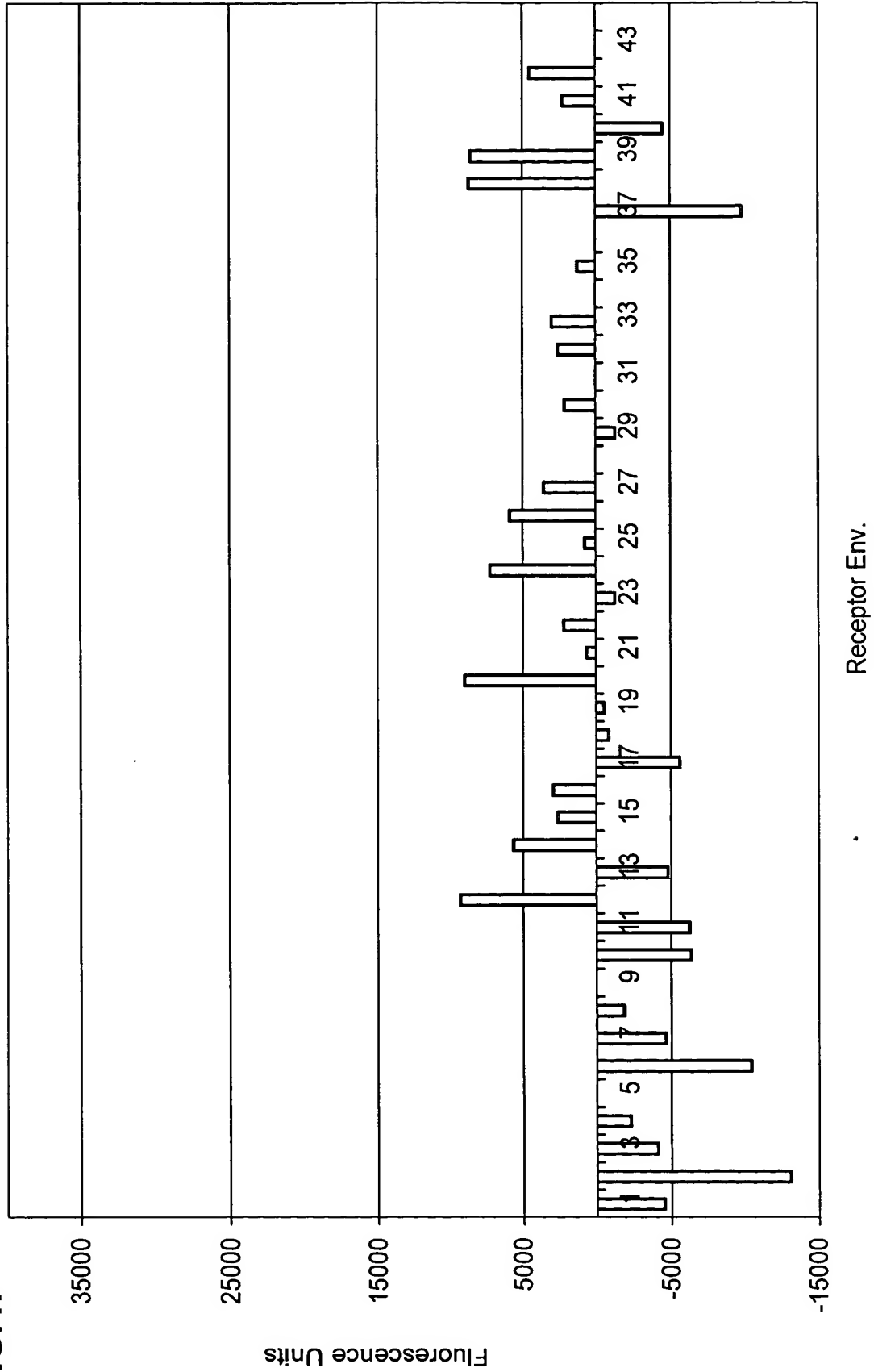


FIG. 48

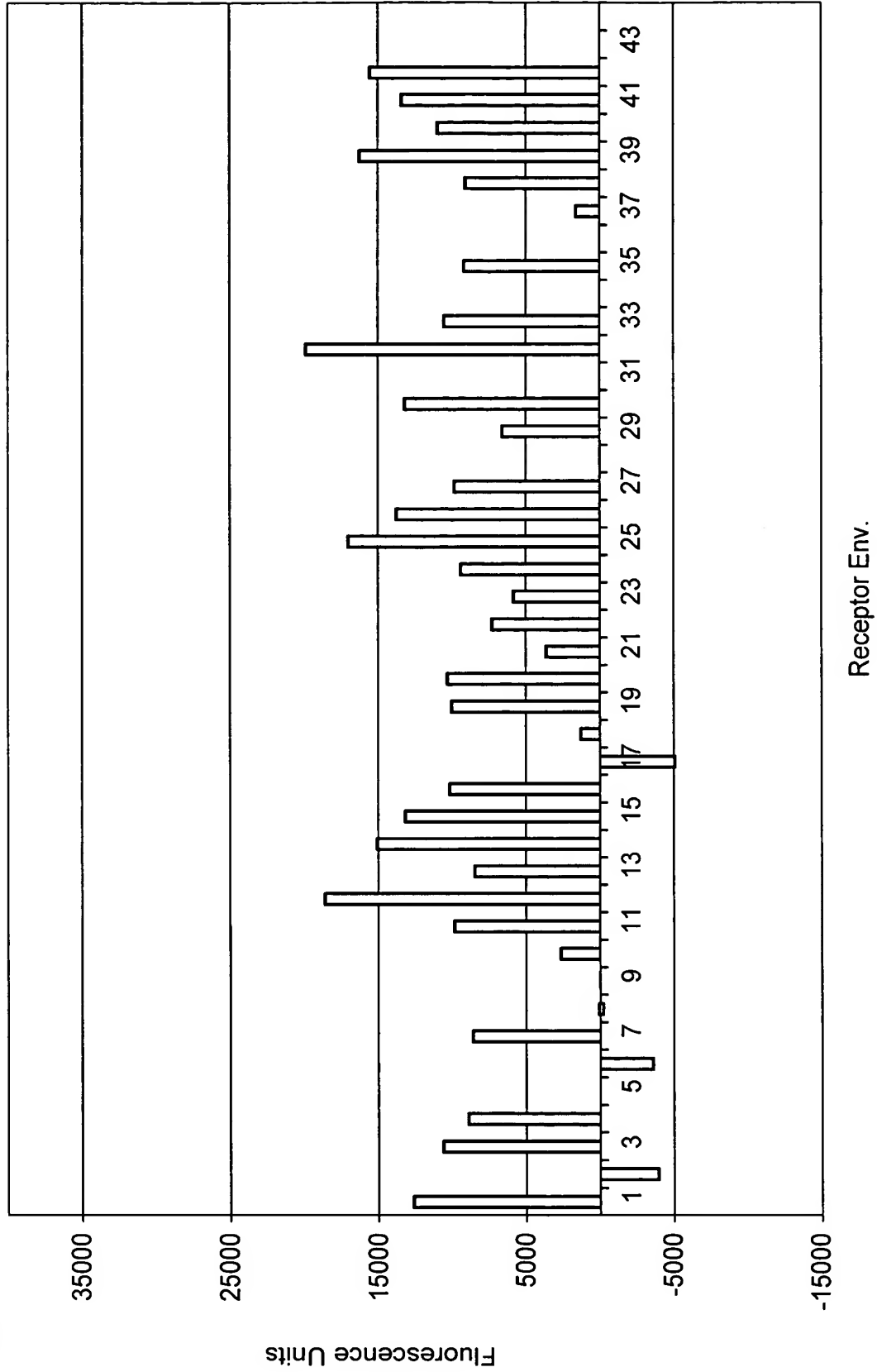


FIG.49

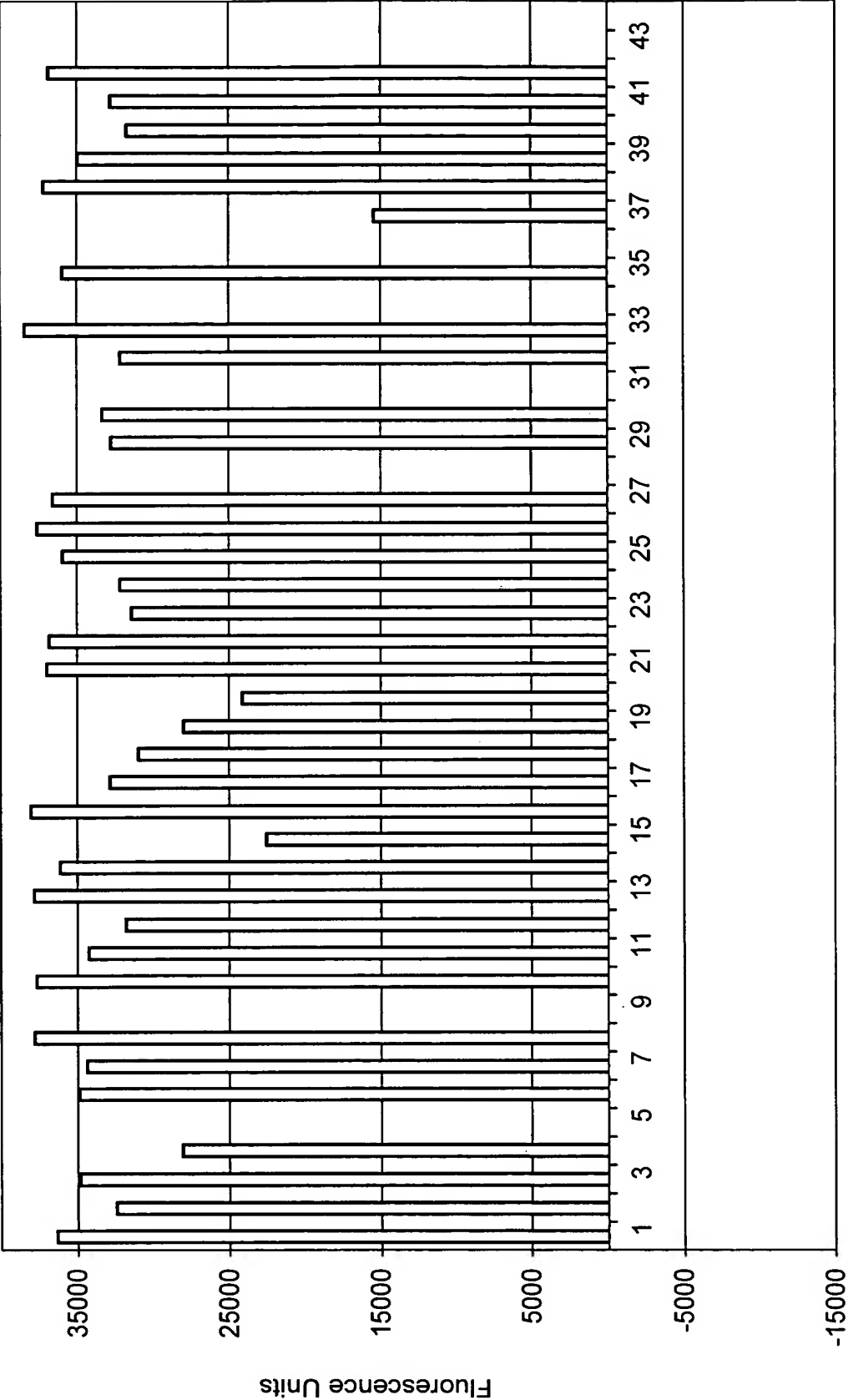
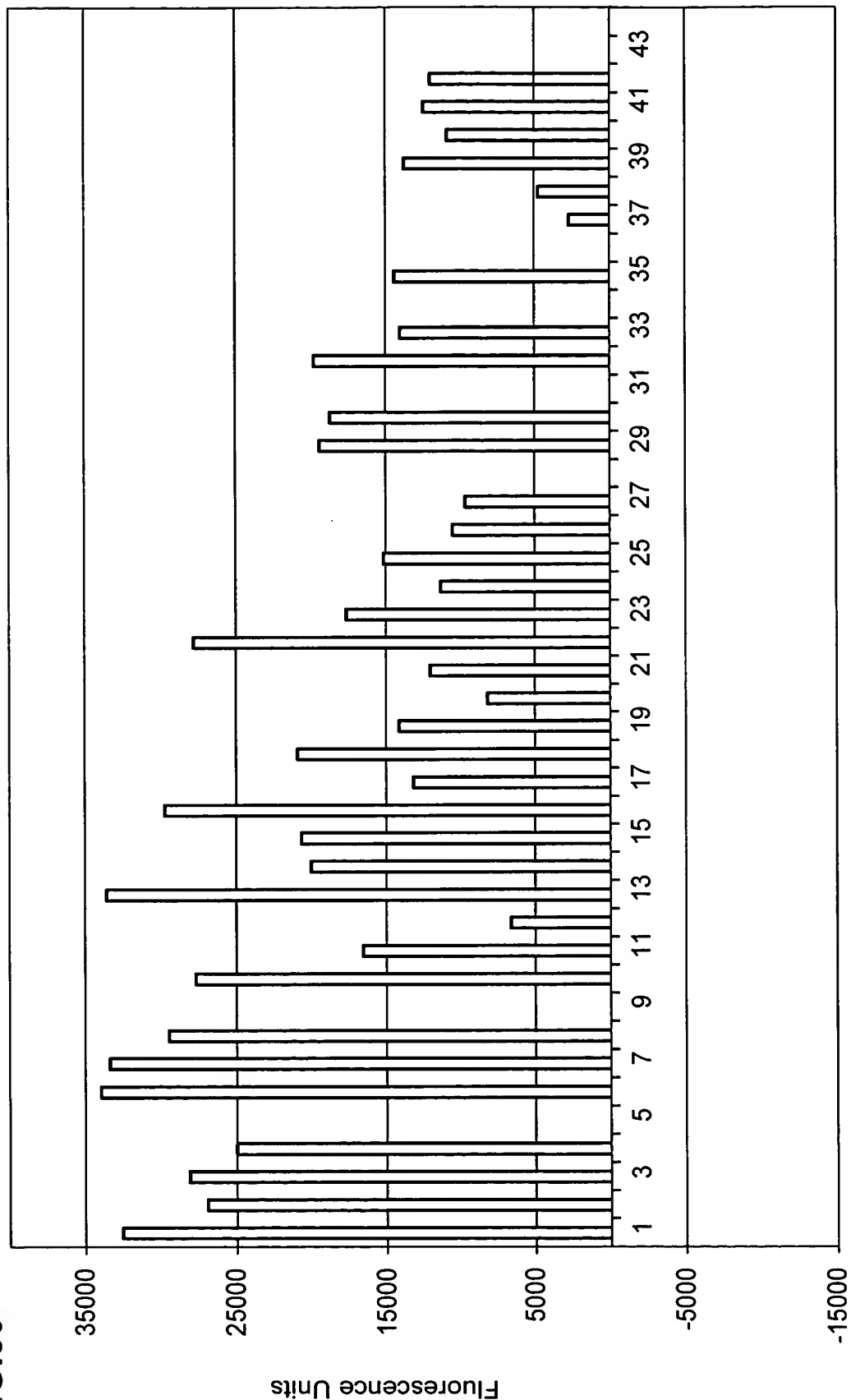
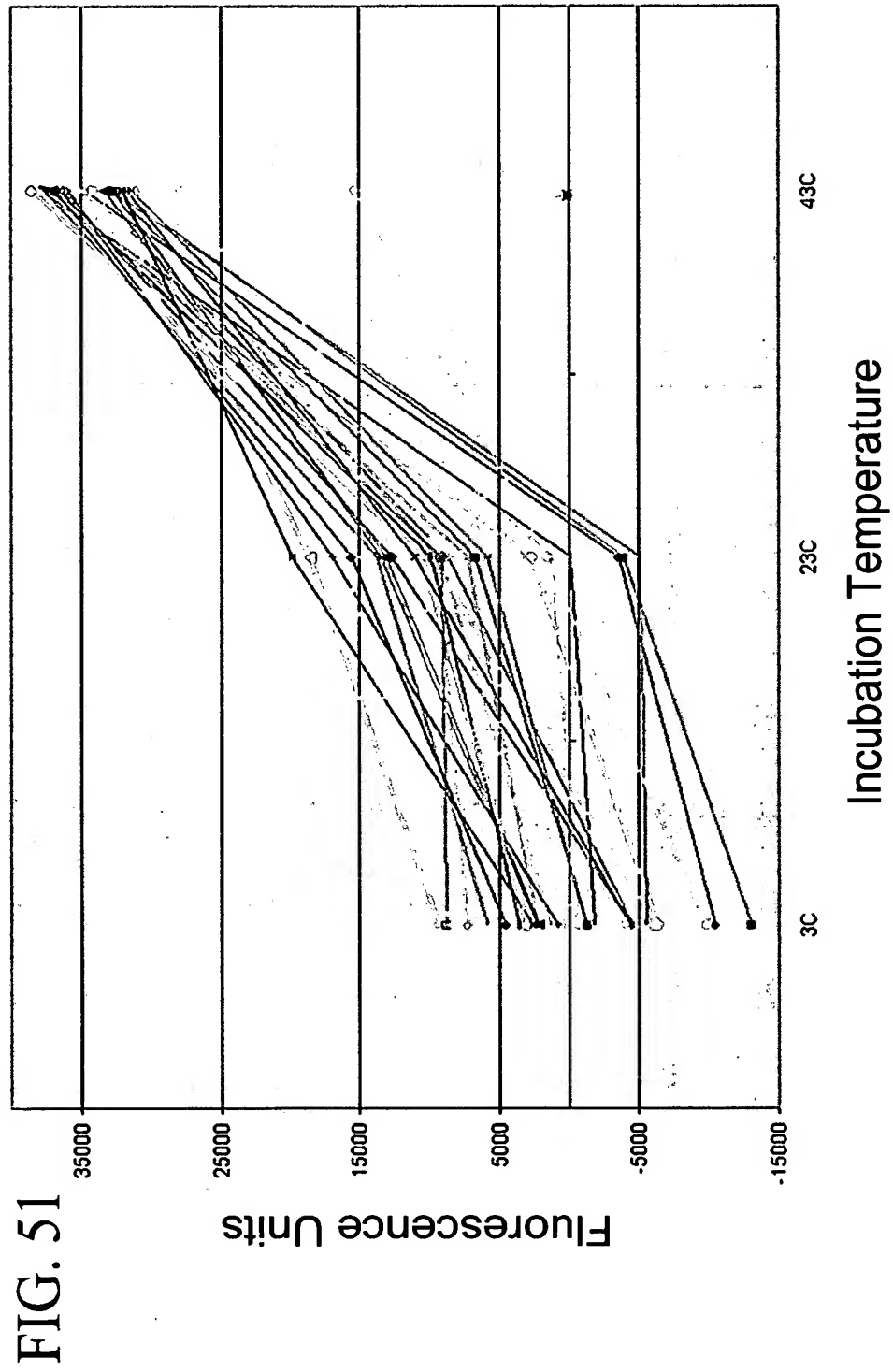


FIG.50





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